

SEQUENCE LISTING

<110> Munger, William E.
Kulkarni, Prakash
Getzenberg, Robert H.
Waga, Iwao
Yamamoto, Jun

<120> Identifying Drugs for and Diagnosis of Benign Prostatic
Hyperplasia Using Gene Expression Profiles

<130> 44921-5029-US

<140>

<141>

<150> US 60/223,323

<151> 2000-08-07

<160> 746

<170> PatentIn Ver. 2.1

<210> 1

<211> 333

<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. AA004699

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ctacactatt atttaaaaaa aaaactcaca aaaagaaaaa tggtatcact acaagtagga 180
attagaagag agaaatcctg gcagtctgtc tagagggttaa aacatttcat gcatttgtga 240
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gttttagtaat cgtctaagaa taattgtaga aataacccca attccaccat cccagccact 180
ggtataaaac aaataccttc catgaaactg tctttcacat aactaaaata tcctcactta 240
cttgggaacaa tttcatgctt acacatgatc acaaacattt gtttttagat gttgtggaat 300
tactggagct gagatttctg aaacaatatc tgaatcttag cagagagata ataatccttt 360
cactatacat tgcttgggct tccttaacca aatctgagta actactggta ataataatgc 420
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<210> 4
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<223> Genbank Accession No. AA017063

<220>
<221> unsure
<222> (1)..(163)
<223> n = a or c or g or t

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cagggcgggg tttgggtcctg aaaaaatggg gtggggcggt tacctcttac cgcttgggac 120
cttgggacct cttnttgacc ccaggaagag attagaagcc ctt 163

<210> 5
<211> 196
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA019034

<400> 5
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gatcactggg aaatatcatt tacactgggg ttgggaactc cctgggtgtc attttttttc 120
gttcatttta ttattttgct gatttttttt ttgcatgtga ttttaaattt tatttcaaca 180
tagaagtaac catatc 196

<210> 6
<211> 482
<212> DNA

<213> Homo sapiens

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<220>

<221> unsure

<222> (1) .. (482)

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<400> 6

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tgaccactcc ataggcagag aaacgtcact ttaagggttt gacatcaatt gatttttgtc 180
caaatcaata attactgcaa tgattgaaaa atgattatta ctaagtttgt tttcattgtc 240
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gtcttactat gttgctcaga ctgggnttca aactcctagg ctcaagcaat cttccagcct 420
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<210> 7

<211> 245

<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. AA022886

<220>

<221> unsure

<222> (1) .. (245)

<223> n = a or c or g or t

<400> 7

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tttctggggc agactttttc cggggccgat ctttggggaa ggacagaaat tcgggtgcgt 180
ctgtggagag aggggtggat ggagcactag aaggcgcact gcggacngaa aaaaggcccc 240
ccccg
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<210> 8

<211> 337

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA025370

<400> 8

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cattcaagtc aataccctgg agaaaagagg ctgtggggga ggccatgttc gattaggagg 120
tttaagagtc catcaaagtg tcatatgtgt taggtgtgaa atggcgacac tgggaattac 180
tgttaataag ggggtggctgc agcacggtga ttgttatgag aacatcccca ccgccccact 240
tttgtttgaa gactttcgta ctgaactaca tgttgtttac tttcaacaac gtatacacta 300
cagttgacaa aagttaatct cggtgataag aatatgc
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<210> 9
<211> 411
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA026641

<220>
<221> unsure
<222> (1)..(411)
<223> n = a or c or g or t

<400> 9
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aancttgctg tgtgccaagc ctttccccaaggaggatat cagtgnnnna gnaagtctca 120
gggtggaaag gacctggacc acacagagca ggactccaga gcctcctcca tatggcagga 180
atcaagcttt cacaggggaa acgcaggatt tcccacacat gcccatgcaa cacttcaagt 240
cacgcttgca ctggccatcc atctcacaga aattgggggg gttnagcatc naacattggc 300
canaantcac tnggnacttn ccaaggggtn cnccttggtg ggnttngggg ggtnnacagg 360
ggncgccgga ntnatgcnc caagtttcng ggcaaanatt tcttttttcc c 411

<210> 10
<211> 471
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA028092

<400> 10
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atctttaagt gaattacttt ataaatgtga ctgtcaaagt cagctatcct atgatctaca 120
ttttacaaca tattgtacaa aagatacatt gataggctct tatctattta tatatttata 180
attacatatt gcacttggaac cagcaaggct tgcagagtca ttcacggtag aagttaataa 240
agttaaatag atgggaatct ttgtaagtac aattgatctc ctctgggttg gaaacgaatc 300
tcctcgtcgt tgtaaagtgt tctcgcgggg tgggacagag agaggagcat tgcgaggggg 360
aagcagagac agagagcact gagggcaggg gtcgccttcc cggggcccgcc tccccccggg 420
aggcggcctt tcccagactc gcacctccaa ggtcaggacg cgggtggttcc a 471

<210> 11
<211> 422
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA029356

<220>
<221> unsure
<222> (1)..(422)
<223> n = a or c or g or t

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aatggtgcta tcttaaacaac caaatatcaa ctgcagttca ctttttccgt gtgggggacta 120

atatcaagat ttcatatgaa ttatagtata atccagaagt atgaaaaaat acatcatatt 180
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 taccatttta tctttacttt aaaaacaatg cctnttccaa aatataaaaa aaagacctat 300
 ttttaaagan ctatttaaag atngcttttg aaaacaacac ttttatntta cnacaaatag 360
 atggtagtgg caacagcact cgtggatggt tacngntaaa taaaaatacc tagtattccg 420
 gg 422

<210> 12
 <211> 253
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA029597

<400> 12
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 acagaatttt cactaaggac tgctcgacgc aacagctgtg agtacattgg tccaaccatt 120
 aataaatagt cttaaataag aaaacaaaca ggttgaagga aagcaagctc atcgtcctga 180
 acgagggatt aaaggggggg ggtgttcaaa agagctttgg atggaaataa ataattctct 240
 tgctttgtaa cac 253

<210> 13
 <211> 186
 <212> DNA
 <213> Homo sapiens

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 <223> Genbank Accession No. AA031360

<220>
 <221> unsure
 <222> (1)..(186)
 <223> n = a or c or g or t

<400> 13
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 tacattcaaa atttttgaca ggtacagagc acattaaaa atgaagacat gatcaaggag 120
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 ggtnc 186

<210> 14
 <211> 206
 <212> DNA
 <213> Homo sapiens

<220>
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<220>
 <221> unsure
 <222> (1)..(206)
 <223> n = a or c or g or t

<400> 14
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tatttattga caggttgggc tgtgtgtgtg cgcattgtgtg tatacatttc caggcgtgcc 120
 tgtgtcctgt agctttttaa aaggaaaccc agtcatccca ctatgaatct ggcattcttct 180
 tatgcttcta gtgttttggc canaca 206

<210> 15
 <211> 494
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA039935

<220>
 <221> unsure
 <222> (1) .. (494)
 <223> n = a or c or g or t

<400> 15
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 gtaaaatacg attcaccctt ctacgaaaac ctttttccca cactcgaaan gaanatagaa 120
 aaccacagcag agagcagtag aantcagcat gcggtcccng atagctgaag tctcgggcn 180
 gccagtgggt cctgcggaa naggcttcgt nggtgganag nactcctggc ccaggtggnc 240
 ccaccagann ntcnntgacc ntctcnanga gacttgcag gtangcagct ccnnacacc 300
 agccccttgn gtctcaantn tacgggtcca aggaggggac gggaaaggct gcttggtccc 360
 caccaaggct tggggggctg ggggggcctg ctggcccagt gaagatgcag tggctctgttc 420
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 ggagagaagc tgcn 494

<210> 16
 <211> 421
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA040433

<220>
 <221> unsure
 <222> (1) .. (421)
 <223> n = a or c or g or t

<400> 16
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 tatctgcaac tgtaggtct ttgttatgtc ttggtcactt tgtctggact ggccgtgacc 120
 ttcagctcca ggtctgggc taggaagacg ttccagtgac ctctgtggg gccagcgagc 180
 agtcggaagt gctgtgcctc tttctggaag tcttgcttcc tgactttctt gatctgagtc 240
 aagtggaga ttctggctgt gtggccttgg cagggtactt cacctctctg agcctcagtt 300
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 ccaggggcaa agcgacgnag gttngtctng ggctttgggg gataccggat gttttggacg 420
 a 421

<210> 17
 <211> 486
 <212> DNA
 <213> Homo sapiens

<220>
<223> Genbank Accession No. AA040731

<220>
<221> unsure
<222> (1)..(486)
<223> n = a or c or g or t

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gccaagtaca aacttttgat ttttgaaatt ttttcaactc agggccaagt acaatctttt 120
gatttaaaaa ttttttttca tgaacaaacc atcagtagtt attaaggagc ccaagaaata 180
ggagatgtga aagcaggatt tctttgtgtt tcctttgaat gttgttattt tgagtattat 240
cattatcagg tagaggaaga aaggtaggct gggaagtagg tccttatgat atcttgacta 300
tggatcccag atttacattt cacctngtca cagagcacac ataatttaag ataaacatgt 360
caagaatgac ataaaccaga ggtaaacacc aaggagcttt acatttggaa ccngaaaata 420
aaaattagaa aaattattac cccatattaa taaccaaaaa attacttaaa ctctaggnc 480
cccngg 486

<210> 18
<211> 546
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA043349

<400> 18
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aacattgctg taaatttcat tttttttttt tttactaata aaacagatgc ttctttctca 180
gagatgggtt ttcactttca acatgcgtca tagcatctga ttttctgagc catcttgga 240
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ccagacaaat atctaaatct aaccctaate cactgcttat aagcttagtg attggtgcac 480
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ttagtg 546

<210> 19
<211> 353
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA043777

<220>
<221> unsure
<222> (1)..(353)
<223> n = a or c or g or t

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gaagttataa aagcttggtt ttctttatta gaatactttt ttcaattctg atttgtcaca 60
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ttcatccgtt caatacacat ttcaagaaag ctgtattgna ccccttnnag tnggtaagtt 180

ccagggccaa agaaccacaaa taaatccaag gagagagacc aacaaatgta tatTTataac 240
acagagtaat aaaacacaaa taaatgtgga gttattttaag catgtaagat ggtacatgct 300
ctaccaaggt atggggggctt ctctaagaca caagatcaga ttaaagtctt gaa 353

<210> 20
<211> 382
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA044219

<220>
<221> unsure
<222> (1)..(382)
<223> n = a or c or g or t

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cacaagcatt tgcaggagta ggcggcccct tcctctccat gtcccccattcc ccaacctgag 120
atgcggggagg gcctggggggc tcagagggaa gaactgaggc aagaagcccc ggtgatccag 180
tcagaggatt gggcagcctg acctcggggg ggggagccag cactngacaa caaggaggga 240
ggggcacagg agggctcccc gaggtttggt ccgggagggg gaggaaaact gccccctgcn 300
ctgtcaatct ctgcaatgtg ccgagcccca gctccttgan tccctcagtg cctttggggc 360
tggatgctca ganagcagtt ga 382

<210> 21
<211> 428
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA045481

<220>
<221> unsure
<222> (1)..(428)
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<400> 21
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ggtcgtctta caaaatgaca agaatgaaat ctattggaaa aattttactt ttacaaatct 120
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tccngcga 428

<210> 22
<211> 328
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA045487

<400> 22
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atctcacaac aggcattttt actgaaatac taggaatttt ttcaatacaa tcagttagaa 180
atacacacaa attacttgaa aaaaaaaaaa agaggaggcc agataggagc tcagccactt 240
gtccaagagc agctgggtcc ccccagcagg ctccaccgct gaggggtcctg acattagctg 300
tcagcccctg gcctgctcag actggcaa 328

<210> 23
<211> 402
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA045503

<400> 23
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ctgaccagag aggcattggag ggaggaggct gacttgccct ggggaccctt gctaactgag 180
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ccttagagag gtagaatgag gggaaatact cctcagtgcc ca 402

<210> 24
<211> 437
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA045825

<220>
<221> unsure
<222> (1)..(437)
<223> n = a or c or g or t

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aatacgcaag ggggtgggag tatggctccc ctaccccatg tgagagccct gtaaccaagc 120
cagtggggtg ggaacgttga cttgactgtg gcaaattcag gctcagcacc ttccaaagaa 180
caagctccca ggcaggaggg ctccctgcaa cacaaggggg aaaggagtgg caccctggaa 240
gggcctgggc tgcgaccac cctgggctgc ttggctcctg tatactgccc acctcaacc 300
ctcaagagga aggccttcaca gctgggggta tgtagttcag agaaccggg ctaaaccag 360
ccctcccaa acccagggtta tctgcctcgg gcctcagttt ccctcctccc agtgattacc 420
caagttgggc ccatcag 437

<210> 25
<211> 397
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA045870

<220>
 <221> unsure
 <222> (1) .. (397)
 <223> n = a or c or g or t

<400> 25
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 acagctcaaa tcttcaaaat attactatag cattatgttt aaaataatct acaacaaaaa 120
 tgtaccattt tcaagcagta ctacattagg agccctttta tagaaaataa tttcttcttt 180
 acccccgttc cagtgtgaat ctagtattct gttaacattt gtgtggcatt tggagtttgt 240
 catccccatt gaagggagag ccttctcaga catgaagcaa gggaaacata ctgaatagtt 300
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 ttnggatttg ggattctcaa atggtataag ttggcct 397

<210> 26
 <211> 564
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA046426

<220>
 <221> unsure
 <222> (1) .. (564)
 <223> n = a or c or g or t

<400> 26
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 tgcaagtatg tactgtacta aaatacctat atttccaaat aacatatgtg gtgtagccca 120
 cagtctctgc agaagcatca tgagtaacct gtgcctttac actttacaat ccgttatttg 180
 ttgctgttaa agtatgata acagatgaag aaaaaaaaaac taagtatgaa tacacttttc 240
 caaacacgca catacacagc ttacaatgga atcccaatgg aaataagtga caacatctga 300
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 gacagtcaaa attttgcaat atagatataa tatataggga tatataagaa ctacaagaaa 480
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 tggtgacta gccatatttg gaag 564

<210> 27
 <211> 560
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA046840

<220>
 <221> unsure
 <222> (1) .. (560)
 <223> n = a or c or g or t

<400> 27
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 ctgcatcaac aggagtaaga tgtagaaaaa gctaccatta caaaaataat ttaagggaaa 180

ataaacacgt ttagcttctc tcgcagttta gtggtggtaa gtccaggctg tagcttcttt 240
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agctgcttga agaactgccg gagggccagg tcccgcgtga ntgctccacg cgctgggtgca 480
gttctcgttt cagcgacagc tcacaacttt gtgcantcct gggtgcgccg cttggcttgt 540
ggggtttgcn acgggatgtt 560

<210> 28
<211> 464
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA047151

<220>
<221> unsure
<222> (1)..(464)
<223> n = a or c or g or t

<400> 28
agaaaaacca ccatcgtgtc acgtcgacga tgccaaatta tgtagcgtg acaganaaca 60
ccgtggggga ggaaggcagc agctgaagaa aaaagctcaa atgatctagt cactttcgat 120
actgtacttc agatgcgaaa tggatattcn gagtggaac ctgacaaagt ggcctgctt 180
tgatgtgaac tggatatagac aatgaccagt ggctgggtca gtgggatgtc tctctgtgag 240
caciaaggct tatcaaatga cactaaagat aagttcaaca accatcacat tggaaggag 300
aaaggccgaa catttcatgt ttggccgggc atgtgagtgc acaagatgga aagagcgatt 360
ggagcatcct ggtataatta cccccattgt gctcttaatg gaaatttcaa aggacgggag 420
tattctgttg gttggtgtcc aggtttgtgg cactgttcca agag 464

<210> 29
<211> 413
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA047880

<400> 29
tacagagaat ataaaaatac attcacttta ttttagaaaa atgaagactc atagagtaag 60
cttatcacia actggcctat taggagtcac agaattcaca ggaaacaatt tctgaagacc 120
aggtgcctgc tgccacctct ccaagcaggc cagagtccag tagagaatgc gattcaggaa 180
gatggctcct cagagggcag ggaggttagc tacggaggcc gctcacgtgg aaatgtccag 240
tgaaccaatg ccaaggaaga agataaaatt ctctggggct gaccacaaca gtgggggtgg 300
ataaagacaa accacttgcc tgtacttctc atcttctatt tgttcatttc actgctggaa 360
ggtgacctct tttcccctaa tcttctttca acccagagag tttaagtctt ctc 413

<210> 30
<211> 431
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA053424

<220>
<221> unsure
<222> (1)..(431)
<223> n = a or c or g or t

<400> 30
tttgagcttt cagatttgct tttattggta gggaaattcc agagtgggga gccacccagg 60
aggagacagg ggtgccgagg cttctgggag tctggaagct cccggatgga gaggcttaca 120
gccccagcct tccccagcag gagcacaggc aggggactgg ccaagtctgt cagctcagag 180
caggaccggc ttcagggcct gacttcgggc tcctcttgac ccgccccgga ggcttgtggg 240
gggctctgtg tttgcagctc tcctgaacag agctagatga ggggtgggagg cccccgttgg 300
ctcacacagt ggatgctacc atctccggcc tcttgatgt ggagctctgt gccagagtca 360
acagtctcca ggggtgggccg gaagttgttg taggcgntct caaggccgaa atctgctctt 420
cctcagattc t 431

<210> 31
<211> 451
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA055163

<400> 31
tttttcaaaa tatgagttta atgacagaat tagttagcta gtattccaca aaaagtattg 60
ctctattttc aaaaaatttg cacagtgtct tacacatgtg ctaaaagatt gagaaaataa 120
attagaaaat tatactgcac acttaacact aaatctacca agcacaatgt aactttttaga 180
cagctcagaa ggcacttttg gatttttttt tttttcagtg cctcagggat cagtatgaac 240
tccaattatt gttgccctgg ccaattgtgg gagtactgat aactggagag ttaattgact 300
gctggataaa gcaatcttta atctaaatgg ggaaggctca ctagcagcta cagaggaagg 360
gggtattcag atcccagctt aaggctagga agccagctga cccaatcaga gacatgaacc 420
catcagaaaa atgtaaaagt tttcatcttt c 451

<210> 32
<211> 354
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA055768

<400> 32
tttttttttt tctgttcaaa aaaggtttta tccaaaaaag ttaatcaaga caagcaacag 60
atactgcaaa gcattatata cagcaccata gtccaggggc caaagaaatc aggaggggct 120
gggcagtaga ggaattccat atattaatga atgtgagatt aagtatagag tgaagacatt 180
aacacacaat ttctaatttc tgttaggcag aatgctcccc taccctgatg ccacagcctt 240
tcacgttttc taaaccctag taacctctga tctccatctg cctcatcaac acgtcaccac 300
cctttgctct tcttccaatt tagtcacatg ttgggctgaa tttatttcca ctcc 354

<210> 33
<211> 610
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA056121

<220>
 <221> unsure
 <222> (1) .. (610)
 <223> n = a or c or g or t

<400> 33
 ctccccctcc ctgctccaag ccggagggtt cctgaggtga cagcgctgc aactgaaatt 60
 tcagcagcgg gagaagatgg acaagagaaa gctcgggcca cggccatctt catccgataa 120
 gaaagatggt aaatgcaaaa ccagaggatg tccatgttca atcaccactg tccaaattca 180
 gaagctcaga acgctggact ctccctttgc agtgggaaag aagcctaagg aataaagtca 240
 tctctctaga ccataaaaat aaaaaacata tccgagggtg tcctgttact tccaagtcac 300
 caccagaaag gcaactcaaa gttatgttga cgaatgtcct atggacggat ttaggacgaa 360
 aattcagaaa gaccctacct agaaacgatg ctaatttatg tgatgccaac aaggtgcaat 420
 cagactcatt gccttcgaca tctgttgaca gcctagagac atgtcaaaaa ttagaacctc 480
 ttcgccaaag ccttaattta tctgaaagga tnccagagtt atattgacga atgtctggga 540
 acgggttagg aagaaatcct aaggncaccac ctgtactgag ggaattggtg ttcagcaant 600
 gcatcagga 610

<210> 34
 <211> 404
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA057195

<220>
 <221> unsure
 <222> (1) .. (404)
 <223> n = a or c or g or t

<400> 34
 agaaaaacca agtgtcttta ttctcgatc gtttagtatg gcggtgggag gcgcgcgcgg 60
 gggagcctgg agcccaggga atcgacctgg agggccagtn gngggancgg aggggtgcgag 120
 gntcggctcc tccgcagccg gccctggagg ggttcttggg ggatcgcgcc aggccaaaag 180
 tctgcatggg cggccccgag cctccctgag ccggcgcgcc ccgggnttng ggagaggccn 240
 ctctgnncgc ggtgccgntg cgggcccggg tgcggcgctc gcccaagggc taaggtgccc 300
 cgtctcaggc gagaccccag gagcccgccg cccccgctgt ctcttcagcc gacgtagaca 360
 cgtngggccg ggaaccccag tcttaacgcg tgttcaagct ctgg 404

<210> 35
 <211> 491
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA057829

<220>
 <221> unsure
 <222> (1) .. (491)
 <223> n = a or c or g or t

<400> 35
 cacggccagc ctctcctgca gctgcgcgtn gctcacctcg ctctggcccc tgggtgccgtc 60
 cacctccagg gtggcctcac cgtccctcag cgagacggtg accacgtgct cttggccgtc 120

gcagacttga tctccattag ggccaaggcg tatgctccac ggccaggacc accagctgct 180
tcttgagttt cttcgtggag tgatagtcta ccagtgccac agagagaggc acggcacgga 240
ggtcgggggc ccagangcgc aaacaagcac gcctgtgtct gcggctgggc ggattgtgaa 300
gccacgactt ctacttccca gggtgattca gtcccgacgt ccagaagggg tccgcatgta 360
gtccaggctg tagaaggcga agcttncccc ggggttagaa agaagcctct ctccgtcacc 420
gagaagcact gcatcctcgt gtttnatttca ccgttttctt ggatgggtgt gtcttctccg 480
ttcagccagt t 491

<210> 36
<211> 436
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA070752

<220>
<221> unsure
<222> (1)..(436)
<223> n = a or c or g or t

<400> 36
acgtgcagtt cagtcaatga aatcctgagg attggataaa gtaaacaac tgaaatggat 60
gcatcgtacc atctactgat gaggaagata tgaggctcta gttgtgaatc atgaaatatt 120
tagagtctgg gtacccatga gttagaagag gatttgctga ggtcatttag gtcttcattc 180
tgctgtgatg tccagttgag ctactgacgg tcctctggct gcttctggaa actgatgctg 240
gcataggcgc ttaaatcctc acttgagcgg cgggtggagc tgctctcacc gctgcccagg 300
ggttgatgan ngggtggggg tgggggaagg ctgcggttca ggggtgcact cctgagggca 360
ctgtttgaag tccttgacca aatccagggtc tatgtagtta agaccattct ccaaaccccc 420
agcagcccca cacagt 436

<210> 37
<211> 567
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA082546

<220>
<221> unsure
<222> (1)..(558)
<223> n = a or c or g or t

<400> 37
agagaagacc gtggatcacc tggggacaga ggtgaaaggc ctgctgggct gctggaggag 60
ctggcctgga acctgcccc gggacccttc agccccgctc ccgaccttct cggagatggc 120
ttctgagccc tggagctgga gccagcaggt tggagggtgt gcacctgcca ggcagcgcca 180
cagaaccagc cctgtcctct cgacttcctt ccttagcttc atgtgaaata aaagctattc 240
tggtctcctc tgtgtctgct gacagagtaa cccgtttaac tacagcctcc tctcactcca 300
cttccatgcc tggaggaagc ctgcaacccc ctccaggctc agacctgggg acaccccan 360
tcctgtcatt tataggggaa gatggagcag gggttgattc acacagatgg ggggccctct 420
gaattggcct gcttctcaga atgttgacca taggtnaaaa gcaaggggat cgggggttcag 480
gaccancaga atgttttagtg aatctgnatg aatgagaccc caggatttat gtgtccatta 540
agtggttgtt gtgnttttaa aaaaaa 567

<210> 38
<211> 328
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA084138

<400> 38
ggttacaaga ttctttatatt tgtaaactat acataaacag taaaaaagaa aatgcattat 60
actttattac gtaaagtcaa cattaaattt tgtattgagt gtgtataaat taaatggaaa 120
taattaatca attttgcttt caatgaattg tatactggga aaccagttta cccactgttg 180
aaattaaaga taccaatacg taacattcaa caggtttttc cattttttatt atgggcacaa 240
aaccattggg atgatatatg taaaagtgat ggtgtgccaa aatgtctaca caattaatta 300
acatgctaac ttaaatacag cggttaaa 328

<210> 39
<211> 370
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA085943

<220>
<221> unsure
<222> (1)..(370)
<223> n = a or c or g or t

<400> 39
agaacccagc ggtgttctga ggggagcgtt tatttcaagc naccgatggg acaaacantc 60
ccaggcttcc caggtgnan tgnccggggc ggcacctca cttccagcgg cctccaacgc 120
ggcccttccc tgcccccttc cggaacttct gggcgtggct gatgcggtg tacagcacgt 180
tgatctcata tttctgctgt ttcagcttcg ccacaggtc gaacttctca gactccagct 240
ggtggatcca gtccgacagc tcttgggctt tctcccggag ctgttctctc cccatgtaag 300
tcaatgttca agagggcttc ttaacgctcg gaaaaggaat gcgcaccttc atctcccggc 360
ccccgtctgg 370

<210> 40
<211> 406
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA086264

<220>
<221> unsure
<222> (1)..(406)
<223> n = a or c or g or t

<400> 40
tttttttttt tttttttttt tttttttttt tttttttttt tttttccan ggaaacactt 60
ttatttcngg aagtcagaag aaaaacaang ngcacaacct gaatgacaca gagcggcagn 120
tggaaccac aggggctgcc ganagctggc ctttcacagc agaccactgt tttccagtga 180
gaatggtggg ccattccaaa acaaagctaa aggggtccaa acatccagaa tggaagctgc 240

ttcccccaac tccattacct atactacagg atggattgct ttttgtgaga ccccttcttc 300
 cactgggcaa ttttnggcat tatttaccct ccccccgatt tttaaaagct aaaatggcgt 360
 cccaggggaag aagtgccggc ttggatgcan gcttgggcca ntcact 406

<210> 41
 <211> 250
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA091278

<400> 41
 gtttgccttc taattgatca tttagactat tctggctaag tctgcccaca tgtaattacc 60
 ggctaattca agcgaggaaa aatgtaagtc atttagacca aagccaagca gtttctttgc 120
 gtgggttact caagggcttg tggttacttg tatctcctct atgtgaactt gactttgaaa 180
 gacagagctc tagtgtgcca gcctgctaag tcctgtaaga atagggaggg cggaggggggt 240
 ggcagtacta 250

<210> 42
 <211> 307
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA092716

<400> 42
 gcgagtctgg aactctttct tgggggcccc ggggcacacc atggaggtct cctggttgaat 60
 ggcccttggt gccctagagt gggaccacgc cctcacctcc cccagagcta acctgggagg 120
 tgctgaaggg gcattgggccc accgtaagca agggaaaaag ggcagatcat gcggggagat 180
 gaccttgatc tttgattgct accctaacct tgacctttaa cccgtgattc ccccagctcc 240
 tggagagatg tctaatatct cttagggacc agaccctaaa ttctctctcc ccatttgatg 300
 ttagtggt 307

<210> 43
 <211> 309
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA093923

<400> 43
 gtcataatgg accagtcattg tgatttcagt atatacaact ccaccagacc cctccaaccc 60
 atataacacc ccacccctgt tcgcttcctg tatgggtgata tcatatgtaa catttactcc 120
 tgtttctgct gattgttttt ttaatgtttg gggttggttt tgacatcagc tgtaatcatt 180
 cctgtgctgt gtttttgatt accctggtag gtattagact gcacttttta aaaaagggtc 240
 tgcacgtgg agcatttgac cacagtggac gcgtggctat gcaggtgatt cctcagtctt 300
 ccttggtct 309

<210> 44
 <211> 271
 <212> DNA
 <213> Homo sapiens

<220>
<223> Genbank Accession No. AA094800

<400> 44
gcgactgcag aaaaagttcc agaaacaatt tgggggttagg cagaaatggg atcagaaatc 60
acagaaaccc cgagactctt cagttgaagt tcgtagtgat tgggaagtga aagaggaaat 120
ggattttcct cagttgatga agatgcgcta cttggaagta tcagagccac aggacattga 180
gtgttggttg gccctagaat actacgacaa agcctttgac cgcacacca cgaggagtag 240
aggccactgc ggcacaaagc gcatcttcac a 271

<210> 45
<211> 323
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA099820

<220>
<221> unsure
<222> (1)..(323)
<223> n = a or c or g or t

<400> 45
gtgacatggt ttttgcttta ttgaaattct ctcttacaaa aggtctgang tatttttaggc 60
caggcctaatt ttgctttggt ccctgaaatg caggcccatg gtcatttcca tgcctctga 120
agtaggtatg taaactagta gacttccatt ttaaggttc acacactttt taacattggt 180
tttatttgat gtaaaacaag acttatgttg tccctaattg aaagaccaag taagagagtt 240
atgtgcgtct tcatggaagg gataactgga ttctttgcca gaaccgggtt ggaatttag 300
tttggtcaat gtggcatctt tca 323

<210> 46
<211> 431
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA101767

<400> 46
catttcataa ataatgtact ttattttatt gcatatggct attaaggagg gcatccatga 60
tcaatacaga ctaaatacaa tgcactattc tagtccagtt tattctcgtc tccagcagca 120
tcacattgac ccctatatac agcgtgtaca gtggaagaca gagcaagata agttaagtct 180
cttgtcatat cacaatagca agaaatatat ttaacatctt gatatccaga aacaatacgt 240
acccaaaaag aaaacactgt ttaataactg ttaagttta tatagcaaaa aatattttta 300
atttaaggta agtcaggcaa aatgtacaaa gacccaatat acattgtgaa gtttttagcaa 360
acataacatt tatacatctt ggttccattc tgtaaaactaa attaaaaatg gtaaatattg 420
catatgcctt t 431

<210> 47
<211> 260
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA102489

<400> 47
 agtctacaag ttcagaccca catgtaacgg atttttgctt catgggttgtc agaggctagt 60
 gtgcattatt tctgaggatt atatccaatg acacgacgca gaaaacacaa atggacggac 120
 agacggatgg acataatcat taagacaaga gactctaaaa cgtgccttag tgtccacgtg 180
 attgatctaa ggcggggacc cttctaaggt ggggacccga gtgatctaaa gcagggtggc 240
 ttccagcaca agggtgccga 260

<210> 48
 <211> 365
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA121142

<220>
 <221> unsure
 <222> (1)..(365)
 <223> n = a or c or g or t

<400> 48
 tttttttttt ttttcaacaa actcagcttg actttattac atggaagctt gcaggagacc 60
 agcggggaag gcctgtcttg gcaggaactc catggctggg ctggactgga ctgagcagtt 120
 ggtgttccag atctgccggg gagaccagat caacagcctg cctcttcagt ttatatccgg 180
 aagactcgcc caggtccttg ctacttgggg ccaaggtagg aaacagcctt tcctgttttg 240
 ttgaggggtg ccancagggt gtctgagctg tgcccaaagt cgatgcagac cttctttttg 300
 ggcaaggtca atgttgaact ccantcctcc caagcttggt tgaaggactc tggaaaacgg 360
 gtttt 365

<210> 49
 <211> 261
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA127946

<220>
 <221> unsure
 <222> (1)..(261)
 <223> n = a or c or g or t

<400> 49
 ttaaagtgaag agaaacttta ttttgagtaa tatacatatc attcattcca tttaattttc 60
 atagctatgc nctatgaaaa ttaaattggaa tgagtaatat acatatcatt cattccattt 120
 aattttcata gtgcatagct atgtgtagaa gtacacaggg aagaataaac attagaaata 180
 cctagccatg aaaatataca agtgaagaca tttgatatat ccatggacng gcttggaagt 240
 attataaaac aggatccatt a 261

<210> 50
 <211> 444
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA130349

<220>
<221> unsure
<222> (1)..(444)
<223> n = a or c or g or t

<400> 50
tacaacaaac aattggttatt tgtgtacttt taaaacctca cagtaatatatt ttcacactac 60
cttcttggct gaaagttcac actcgggaatt ccagagcagt ccatggccag gccactggn 120
tccccttgct ctctccttgg ctttggttaac cactggcccc agggactcag cctgctttcc 180
tatccatccc ctcagtagct gtcacccatgc aggttacccc ttctgtttct tctaccacta 240
actccatgtc tgactgcaag tgaaaggaac agaagcccaa acctttgggt ttttaaggagt 300
ttattgctaa tctgtaaaac agaaagagac aggagataag catgacaaaa tatagggaag 360
aatgacttt tgcctaaact tccaaactgt gtacaattga agcctccgct ttatagctct 420
tagcacacct ctcaaataag aagg 444

<210> 51
<211> 616
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA131322

<220>
<221> unsure
<222> (1)..(616)
<223> n = a or c or g or t

<400> 51
gatttccatg cactttaatg aggtccagca ctcaggagga ttagcgccca ccaccagctg 60
cctgggcagg ggagggccgg agcaggtngc aggcgtcagg cttaggacag ggaagggggc 120
tcaggatggg gaaggggtcct caggacaggg gaaggggctc agaagagagc agggggctta 180
ggacaggaag gggcactcag gacggggcag ggaaggtgtg gggggcagtc gccacctggg 240
taggaagcag tgggtgtttt gacaggaggg gctggctctc cagtgaccca ggtggacacc 300
ccaggcctga ctcacggctt tttggggaca tagtggtgga tccagtccaa gtagtaggtg 360
acacgggtgt agatgccagg ccggttgggc tgggcacagc tncgntccca gctgaccacg 420
cccgcctgta gccagggtgcc attcaccttg cacaccaggg gccctccaga gttcgccctg 480
gcatgagtc ctccggtgtt cccggcacac agcatgtcgt tcacggatga tgccgacgtc 540
gtctcccgtg taggcgccaa agtggtatatt gcgtcacaaa tgtggtttcc attatgggga 600
ccttcactgc ttcagg 616

<210> 52
<211> 464
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA131919

<220>
<221> unsure
<222> (1)..(464)
<223> n = a or c or g or t

<400> 52
tttttttttt tcctgagtaa ttttttatatt tgtgcagaga caggatccag aactcctggg 60

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ctcaagtgat cctcccactt tgggtctccca atgtgctaga attacagccc tgagccacgg 120
ccccatgccc cgtttttacc agtgtatatatt ttctactgga aaatgagact tttagggatg 180
aatgtggact tgtctgttga aacttgtaaa tttgcttaaa aaaaaaaaga tctccaagtc 240
ttcacaaaat tttatatattcc ccaaggctgc cccatcacaa tgctgtgaa gcttgactgg 300
cagacactga ggcctgaagc tgggggctgc aggggggtcac tgggtcaccc ggtccccccg 360
taatctgtaa aacatactgg gtgagggagg ctgctggagg acctgaatct ctcccttctc 420
caggcagtag tgaggcatat gctgntggcc ttgggccaat taaa 464

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<210> 53
<211> 393
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. AA133756

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<400> 53
ctccatttat tttattttat ttttttataa aaaagcaggc ataaaataca attacattac 60
tacgaagatg caacaaaatt ttaaaaaaga aaaaggggtg caattttttt cagagaggac 120
agctgatcaa atattttataa ttttctaaac catgcagttc attacttatt acaattccaa 180
acaaaactca ttattatggg gatgggagtc agggagaggc ccccccccaa gcatgatatc 240
cagcgctgtc acacagtgtc tatgttcaaa gtgcttacaa atgggtgtctt cacagcatag 300
ggaagctgaa gccttattcc agggaaggag aggtgagtca gtagcagtgt ccaatggcag 360
actcagaaag ctcggcagtg acttgctcaa aat 393

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<210> 54
<211> 398
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. AA135870

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<400> 54
aaaattttaa ataaaatttt attttatctt atactcaagt tcagacaata gcatgtggtg 60
tacattcaaa atttttgaca ggtacagagc acattaaaaa atgaagacat gatcaaggag 120
atgtaagaga caaatagaca acaacattct ccctgaatct ggaaaaaagc aagcaataag 180
atcacgaaag gcagctgtaa aacaggatta ttctgcatgt gttgccccaca actagggcaa 240
ggttatctct catcacaaagt acaaagccat tgatgttagt gtgtaacaga gagaaaacag 300
aggatttgta cagctgagga aataaatggc agatgttaca caggaagcaa tataacatgg 360
tcattaagta actgtattca accctcaaat ttaatttt 398

```

```

<210> 55
<211> 390
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA135929

```

```

<220>
<221> unsure
<222> (1) .. (390)
<223> n = a or c or g or t

```

```

<400> 55

```



```

aaagatatca attatatatg tatataaaaa aaaaacctca ctttccccac aaaaagcaca 60
atactgttat cacaaaaaaa atcatcatcc tcataattaa tcatacctagc cacgcaggtg 120
tntttgctgc caaaagatgg gacgacaaat aacgttgacc aggcagaacc cctagacacc 180
ctcggccac ccacagcctc tccggctgcc gaagacgagg gacgagggca aggcagagtt 240
ctctgaggtc cccaggcctt caccatctt gtcagtctgt gtcttctagg acagaaggta 300
gttggttttt tttcttttaa aacgtctgtt caaaataaaa aacaaaagca cacgcgcaag 360
agaagcgggg aggaacggag gctgcctgcg                                     390

```

<210> 56

<211> 511

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA142858

<400> 56

```

tttttttttt ttttttttca aggggaaact ggggcagttt tattgacgat ggcaatgtac 60
aagactccac acctaggtat gtgcacgagg taaggcctga gctcaggcct tatgacctc 120
ctcaggaccc ttggggggcaa acttctcctg cagtttcttc cacatgcctt tatctatttc 180
cttaagctct tccaaggtgt ctgtggacag gatcagcttg tactcttcca acgacaggcc 240
actgaagctg gtgtctctgg ggcgagggta cttgtgtttg tagtagtttg aatggagtcg 300
cgctaagtct cgtacatctg atcacaggcc tcaggctctg aacctgggta ttctctccct 360
cccgaaggc ctgtgctacc cgctgtcgca ggtaagcgcc caagtcccgg ccccgtttgg 420
tctcgtcac tggccattcc tcacagagct taagaaaacg ccggtaccgt gggccgccat 480
ttgggccccg cgtgttcccg cccctcgtgc c                                     511

```

<210> 57

<211> 341

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA147224

<220>

<221> unsure

<222> (1) .. (341)

<223> n = a or c or g or t

<400> 57

```

aatacathtt cacagtgtgc tgaatgtctt tatttacaag atatcattct atagtgaata 60
tgaacaaaac gaatgtgcat gggtgaaata actgcttgat taaaaatgtg ctgtgaagat 120
gaatcactaa tctttctaata gcactctgat aacacaataa acatggaaaa atactaatcc 180
cctaatagat cnaaatatag natatagncc cnnaaatatt tcngggggat ggattttcct 240
tcngagggtt cncaaaaagg naaaanggaa atggnttccc ccagccaatg gtttagccaa 300
atattggggg aaatgcccat tccaatggga aaaacccgga t                                     341

```

<210> 58

<211> 561

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA149579

<220>
<221> unsure
<222> (1)..(561)
<223> n = a or c or g or t

<400> 58
atagtaaata tattacattt attctaaaac ttcaaaatta ttctgttttt gtagtactga 60
aaaaaagaca gtgccatttg aaacaacaga tgcattcttt atacattttc acaagtttgt 120
ttttcatatt tttaaaggcc ccatttatct gtaacagtgg tattttttatt tagagtatcg 180
gctacttaat atatacatgc aacaatatat gctttaatag tcatttaact ttaggaata 240
tttcatcaca ttaagtgggt aagcatagtg ttaaaagagt ggaatttaag gaataagaaa 300
atattgaaaa tacgctgtta ttttcatttg ttcactataa tagaatgttt ttgcccataa 360
aagttatcat tgcccaactg aattcctacc aagaactaac aagtgattct cagtggggag 420
aantttnttt nntnngaata tagagggctc gttagaaagt gcagatntag gcgggcgcgt 480
antcacaccg taatccagca cttggaggcc aggcgggcgg tcacgangta ggagatcgag 540
accatccggc tacacggtga a 561

<210> 59
<211> 420
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA150920

<220>
<221> unsure
<222> (1)..(420)
<223> n = a or c or g or t

<400> 59
agcgttgtaa ggtttatatt ggtagggaag gggacaagtg aggtaactga tccttgcttt 60
gtagacagtg caagacaatt atttgtggtg aagggactgt atgccaaaca acgttactca 120
tgcttttagtt aaaactttaa gtcacctaaa acagaaacaa ttctnaagaa cactgggtgga 180
aatagaagt gtaaattgttt cagacaaaac caaggcattg tcagcacgat gtacattata 240
cggcagatan nacagccaca tcctaggcca cagagcagat cccaagagcc ccaggcatgc 300
aggagagttt taaaggaaca gacggaaatt ttaactgtga aaaccacgaa atttcatgac 360
ttttggtcag ctacnacccc aactaatata tgaccattaa gagtaaaatt ctgaccttta 420

<210> 60
<211> 426
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA151210

<220>
<221> unsure
<222> (1)..(426)
<223> n = a or c or g or t

<400> 60
tttttttttt tttctggatg aatacatgtt ctggtcttgt tacaggttct ggtaaatacag 60
atggagaaat gttgttcgag aaatgtcagc aaactttaca gcagtagttc acacatgcag 120

```

ctactataca ttcattcatt gctatatttc taagaaatgg agcaacctag gagcttatgc 180
tacagtagat tccaatgaac cataatgact acttcaagaa caaagaagca catncaaagg 240
tgtgatatct tcctggttggg ttgagttttc aaacctgaaa ttcttttaaaa tacatttctg 300
ggatttttatt taaatattga tgcnacacac ctaaaaagca gtgacttctt gggtaaaatg 360
taatactgaa atggaaaatt gtctttttcaa aaaaataaga agtgtgggtt ggaaattccc 420
cgtgcc
426

```

```

<210> 61
<211> 400
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA151428

```

```

<220>
<221> unsure
<222> (1) .. (400)
<223> n = a or c or g or t

```

```

<400> 61
cagagagaaa gtgctttatc agccgggctc agcccgacaca cggactcgcc aggagtaggt 60
ggtcagcacg cgctgctggc ggcnaccacg caggtgtagg tgccctcatt gacggcgttg 120
gcgatgatgc tcagggtgcg ctcgcccagg gccaggtagc cggggtagga gaactccagg 180
ggctcctggg ccttgtagca gtacactttc cctttcttgt ggaggatctt ctggccgcag 240
cggaaggtca cgttcctgcc ctcggnacca agcctgggtt tggctcctggg gggcgggtggn 300
gggtggttggc caccgtgggg aaaggggaat ttcgtagcaa gaaantccgc aagctngctt 360
ggggggcaaaa agcttccttt ccantgaagn cccgccggga
400

```

```

<210> 62
<211> 502
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA151544

```

```

<220>
<221> unsure
<222> (1) .. (502)
<223> n = a or c or g or t

```

```

<400> 62
caggacgagc tgtggggggt gcaccggctc tacggatgcc tcgacaggct gttcgtgtgc 60
gcgtcctggg cnggaggggc ttctgagacg ctcgcccggc gtcnatgaag aggctctgcc 120
cagcagctgc gacttctgct acgaattccc cttccccacg gtggccacca acccaccgnc 180
ccccaaggac caaaaccagg ctggtgccga ggnaggaaag tgaccttccg ctgcggccag 240
aagatcctcc acaagaaagg gaaagtgtac tggtagaagg accaaggaag cccctggaag 300
ttctcctacc ccggctacct ggcccttggn cgaaggcgca ccttgaagca tcatcgccaa 360
cgccgtcaat gagggcacct acacctgcgt ggttgccgca ccagcagcng ttgctgacca 420
cctactcctt ggcgagttcc gtgtgcgggg ctgagcggct tgaataaagc aatttctctc 480
tgaaaaaaaa aaaaaaaaaa ag
502

```

```

<210> 63
<211> 285
<212> DNA

```

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA152200

<220>

<221> unsure

<222> (1)..(285)

<223> n = a or c or g or t

<400> 63

```
tactcttccc tcttcattta ttttggaatg tgctagaaac agcttgaaac atccctttaa 60
tagcttcccg gcctcacgag tggtgaatga catgacgaat tctccttcat agaaggtaca 120
ggtgaaccag aactggaggg gcatttgga tcttctcttc ttcagaaagt gcgatcgcat 180
caagatgcat gtggttttca gtagaactgg cccatgtttc ttgggagcga ggtgtccaaa 240
ccactgttca tccatatttc cnggatgatt tgctcccngg gctca 285
```

<210> 64

<211> 457

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA156565

<400> 64

```
atagtaaata tttaattggt tccatcagca attccagcac aagttttcct ggatggtagg 60
cagaatcaag ctacccaagg gttcatgatg aggtatgggg gtcactgagg agacccccag 120
agtcactgac cctccccgcc acctccacac accagggtggc cctgcagaat gaggggtggg 180
ctgatagaat gtcaattagg ggagacagga tacagggtga gggaacaggg tctagcttgt 240
atatttgcct gcaggaagga gggagggcag gagagactct gcatagaagg actggaacta 300
cacatttaag ttttcaacce caatatgcag ggggaaacag ccaagccact ctccatctgt 360
ctagtattag gaacctctct tcaagtgggtc ttttgtcatc tctgttcttc ttcccaattc 420
tgtattccag attccaaatt ctacaattga aacccaa 457
```

<210> 65

<211> 428

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA156897

<400> 65

```
cagacatgga aatataattt taaaaaattt ctctccaacc tccttcaaatt tcagtcacca 60
ctgttatatt accttctcca ggaaccctcc agtggggaag gctgcgatat tagatttcct 120
tgtatgcaaa gtttttggtg aaagctgtgc tcagaggagg tgagaggaga ggaaggagaa 180
aactgcatca taactttaca gaattgaatc tagagtcttc cccgaaaagc ccagaaactt 240
ctctgcagta tctggcttgt ccatctgggc taagggtggct gcttcttccc cagccatgag 300
tcagtttgtg cccatgaata atacacgacc tgttatttcc atgactgctt tactgtattt 360
ttaagggtcaa tatactgtac atttgataat aaaataatat tctcccaaaa aaaaaaaaaa 420
aaaaaaag 428
```

<210> 66

<211> 602

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA158262

<220>

<221> unsure

<222> (1)..(602)

<223> n = a or c or g or t

<400> 66

```
ggtcgagctc aggttctgct tgccgggtgc ccagtgaagc cgacagagcc tcgagtgcct 60
gatcactcat tgtatccttc tccaccttcc ttttcttctc ttgggggtgga gcagcacttc 120
tgactgtccc tgctgactga gcttttaaaa cttctgtaga ttctcttttt tcagttttct 180
ttccagcagc tgtaggcgac ccacagggtga agtcagatga caaggcgtct atagcatcat 240
ctggccctat ggggttagcc aatagttccc tatatttttg aggaattgtg acttctcttt 300
tacccaattc ctctatgtag gtggaactca ttggatctga aacttctggt ccagtatacg 360
ttgtattttc ttcttcagtt tcttcaggtc ctctaaagt atctattaag tcatccaaag 420
cagcatccat gcctgacttt cccgatgggt tatccgggtt agattcaact ggcacagctg 480
gggttaaatga tttcttttct tttttcttgt canccggctt gcagatattg cagtgatacc 540
agcaacantc tctccaccag cagaaatcat gtcttgtggg ttagtctttg ggtcnggtga 600
tt 602
```

<210> 67

<211> 392

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA159025

<400> 67

```
ttgatgtcta gaaacatctt ttatttgggt aacagggtccc aaaacagggtc agttaataaa 60
atagattcta aagaatatgt ccctatgcac agccctccct ccccaaaaat aacgctgggg 120
gtaggcattg cctttccccc ttggggtcct cgggtgtatt taaaaaatg ttttggcagc 180
tcagtgttta tcatctgggc atgggacacc atgtccatgt ccccatattc ctaggggtaca 240
gcagcagtag atggctgcaa caaccttcct cctaccccag cccagaaaat atttctgccc 300
caccccagga tccgggacca aaataaagag caagcaggcc cccttcactg aggtgctggg 360
tagggctcag tgccacatta ctgtgctttg ag 392
```

<210> 68

<211> 476

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA165312

<220>

<221> unsure

<222> (1)..(476)

<223> n = a or c or g or t

<400> 68

```
tcgtnnctc ggttctgaga aataggcact ggcaatttac acatgccttg ctgtgtaatc 60
tcactatatt tgctcaggca aagtgggaga agcagcctta gggttttcatt ctagagatgc 120
```

cggctttccc acctgatcgg cttagagttc acgattgact gttttgggct tcatttcacc 180
 ctctacataa caagcgggtg gactagatgc cttagcaagg gtccgtgttg tgtgggtgtct 240
 ccagccacgc actcagctca atcttagcac agttaaaaaa tgcctttcta gcaagttatc 300
 tgcccagtgc ctgaaaaagt atcattttctt gtgttcaata aaaaagcctc ctaatttaat 360
 caaggaccta tggagataac tgtcttttag ttgtggcatt gcaaggatac aaatgcagag 420
 atatttttaa agtgatcctt ctgtaagagt gaaccacga tatgatctgg nagcaa 476

<210> 69
 <211> 479
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA165313

<220>
 <221> unsure
 <222> (1) .. (479)
 <223> n = a or c or g or t

<400> 69
 cacaagcccc caggtccata gccaggtttt ccccggtttc ccagcagcca gtgacttctg 60
 tagcattagg attcttatag tagttattgt ctacatttct cagcagattg aatatgtact 120
 gcctcttact actggactgt ttattcttaa atgtgtacag tatggattta tgtcgtctat 180
 atattatgca tttatttgtc ttcttcgttg tgatggtaag ctcttgagg gcaagtcttg 240
 catccactgc tttgctggca acccgactgg taagcttctg gaaggcaagg cttgcatcca 300
 gtgctttgct ggcaaccgga ttgctaagta ccgtgtttta agcttagttc agtctcaagt 360
 gtttgacagc acatctgaag accaataaag caactgctgg gtttatccn tgggagctga 420
 cagaatttcc tctcccaaata accatanaca ggaaaatcat aagcctgaat taccgggtg 479

<210> 70
 <211> 298
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA171939

<220>
 <221> unsure
 <222> (1) .. (298)
 <223> n = a or c or g or t

<400> 70
 ttttttgagg cacctgtggg actttattag gtaaacagac cccagctcca gccacagggtt 60
 ggaccggcca gctgacagtg cggcctcaga caccgccg ccaggctcctc ctccctcctc 120
 tctcagggtc accagtgtgt gaaagatcgg ggcatgccgg ccacaggggg aagcagggtt 180
 caggctgccc cacctgggtc tggccctggc aggcgcccc tcacctggct ctgctgtggg 240
 anccgagaac aaagacatna cctgcctggc tctgctgcc ccgggggggtc agcnagca 298

<210> 71
 <211> 596
 <212> DNA
 <213> Homo sapiens

<220>

<223> Genbank Accession No. AA173223

<220>

<221> unsure

<222> (1) .. (596)

<223> n = a or c or g or t

<400> 71

```
tttttttttt ttcagccaaa ttcataattta ttccagtctc taacactctg ttgttatgtc 60
tgctgtaaga tgatcaggag ttagtatgaa gtattcttct ctacgcacca aagaaaacaa 120
acaaagcaaa cttcaagtca gtgaattagt taccacagtt aaaatgcatt tgattttgtc 180
cttttccttt ttcacaagaa cgacagctga atactcttct atgtgatgcc tgatattttt 240
ctttttcttt ttctctcttt tttgagacag ggtctttaag atgggggtctc gctctgttgc 300
ccagggttga gtgcagtggg gcaatcttgg ctcatgcaa cctcagcctc ctgttttcaa 360
gtgattcttc tgactcagcc tcccaggtag ctgggattac aggcattgtgc accgtgcccg 420
gctaattttt gtatttttag tagagatggg ggnnttcacca tgttgccag gatgggtctcg 480
aactcctgac ctgaagtgat ccaccgcct cggcctccca aaagtgtgg ggattaccgg 540
tgtgagccac tgtgccagct ctgatggtga aaatttcngg tacaggccta gccan 596
```

<210> 72

<211> 408

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA180314

<400> 72

```
ttagcaaaaa cagctttttt attgtggtag tttgtggtat gtgctcctgg atcatgcaga 60
aaaaaggctg ggctcagtt agctccggga gccattctta ggaccctccg gctgcacaca 120
gagaggggct gggtagctgg ctgggctggg gcacgcattc actgggctgg cacaggctga 180
ggggtctctc gccactatc attaggcccc tccagcccgt tatgctcagc ccccggtca 240
ggatgctcca gggcgtgccg ggtatcagcc tgccagagct gcaccaggtc cgtcggggtc 300
tttctgcca ggttcttggg catcatgtca gcccctatgca ggagcagcag tttgatgatt 360
ttgtagcggg tgagcctcac agcgtcatgc agggcagtat ccctcgtg 408
```

<210> 73

<211> 479

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA182030

<220>

<221> unsure

<222> (1) .. (479)

<223> n = a or c or g or t

<400> 73

```
atcatcataa aaaatattta ttataaaaaa ttatcacatt tctctgtaca tagcataaag 60
acaaaaacac aatgtataca ttaataaatt aagtgggcct gagtattcag tatccatcta 120
ctagaatcct aaagctcttc cccagatttc acaaaggcca atgtagatta tttctatttt 180
atcaaagttc atttgcacag ttgggtgtaat tgagatacta acatttcttt tttctagtgt 240
tttaaagata gttcacagta tttgagttaa ttaattaatc aactgattta aatctttggg 300
aaatacaagt atttacatgt aaaaatgttt agtcaaatt tcagtaaaaa actggaaatg 360
```

accaataacc tactgccaac tgttttggtta taatccagaa atgcatgagc cggactccca 420
ccattaagaa atggcactgt cnaggacctc ngatgataaa actggaatcc ncaaaaaat 479

<210> 74
<211> 313
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA182882

<220>
<221> unsure
<222> (1)..(313)
<223> n = a or c or g or t

<400> 74
ttctggcaca tgattgagca tttattgcgg cactaacaga ggggtgctggg ggccccacca 60
tccttgccctc tgcccttttc acctccccct cctctccagc ttcttctgcc tagagcggtc 120
cagattcccc tcacattttc ctggatcagg gccactcctc ccaggcacct cttgccctca 180
ccagtacctt ttgtcccttc tctgggggtc gagggctcctc agctgtgctg gnccccact 240
ctccaccctt agtgcccact gtctctgccca cctctccttt ggaactcagg gggctcaggc 300
atcctggcct ctg 313

<210> 75
<211> 258
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA188981

<220>
<221> unsure
<222> (1)..(258)
<223> n = a or c or g or t

<400> 75
tttacacttt actgagacaa ttttattcac tatggatata tatacatgat caacatttta 60
tcttcattct tcagaagact taattagagt agctttcttc tcatacttat ctctaattctc 120
tttaatatat tccgagagat cttctgacat gcattcntca tattctctat caacttttagc 180
aatctgctcc tcaagatggt tctctacaga cccaacatgt gtagcaacca tctctaacag 240
acgttgcaag ttaatttc 258

<210> 76
<211> 506
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA189083

<400> 76
ttttttttat tccaaatgtc tttattgaaa cagaatgata gagcaagaaa taatgaggtc 60
tggggtggatg tctttgggag caggatggag cccagaccca gtgggttacag tgtggagctc 120
tctccctgtc cctgactct ggccaaggaa gtgaatgcaa agcagcaggg aggaggcagg 180


```

gtggggacgg ccctctgagc tctccgcgat ggctggcgtg aggtgcctct gagacttctg 240
ggcagccctg ccttccctac tcagtcttcc cgatcttctt gccaccttcc tgtgtgggcc 300
agcctcccgc cagtaactca gaggccgctc agagggcagg gttgggggtg gcaagcagcg 360
ggacgtggtc acagcgggta ggggggtggct gccgcagcag ggaaggccgg cgacacagct 420
ccccgtcccg gagcacctcg ggcaggagct tgcgcttggt ctccggaagc agcataatgc 480
tgaagaatgc agaagagggc gcaagc                                     506

```

<210> 77
 <211> 513
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA193197

<220>
 <221> unsure
 <222> (1) .. (513)
 <223> n = a or c or g or t

```

<400> 77
tttttgaatt tgactacttt tacttacaag agacttttcc ccatcaaacg atttcccat 60
ccatttatta cacttctgaa gtaggatttc tgaagtcac ttatggcatg taattcttag 120
tataatgcac aggattcctg tcattttgaa gcacgaggag aggtttttga tatcttaaac 180
atttttttag tgtagatgca catattctcc acttccaatt gtaatagaaa atcagtttaa 240
ggatacccta atgatgcaaa tgaaatgatt agcaaacaac tcaaatttag ggccttctt 300
tacaatccat tgagtgaaac agattcacaa aataatttgt tcaactgaag atttaattta 360
ttattagaaa atggttttta actctgatca ttacattgaa gagtcaatga ctgagggttt 420
cttacctact ggctcatctc ttagacaata acttcttgaa taatttcnac atgagtgtct 480
gtacaagctt ttaaaaaacc gaataaatta aag                                     513

```

<210> 78
 <211> 499
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA195678

<220>
 <221> unsure
 <222> (1) .. (499)
 <223> n = a or c or g or t

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<400> 78
gaaaatttgc ctcttggtta ccctgtaatg gatggggccc agaaatgaaa tatttgagaa 60
aaacaagtga aaaggtcaag atacaaatgt gtattaaaaa aaaaagcct attaatagg 120
tttctgcgcg gtgcagggtt gtaaacctgc ntttatcttt taggattatt cctaaatgca 180
tcttctttat aaacttgact tgctatctca gcaagataaa ttatattaaa aaaataagaa 240
tcctgcagtg tttaaggaac tctttttttg taaatcacgg acacctcaat tagcaagaac 300
tgaggggagg gctttttcca ttgtttaatg ttttgtgatt tttagctaaa gagagggaac 360
ctcatctaag taacatttgc acatgatata gcaaaaggag ttcatgcaa tactgtcttt 420
ggatattgtt tcagtactgg gtgtttaaag gacaaatagc tgctagaatt caggggtaaa 480
tgtaagtgtt cagaaaacg                                     499

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<210> 79

<211> 463
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA197112

<220>
<221> unsure
<222> (1) .. (463)
<223> n = a or c or g or t

<400> 79
aaagtataaa gtgtttttgga aaaaaaggaa aaaaatctat ataaaaatct cttcacatat 60
aaaatcctga agaagggtgca aggtgagacc cagtgcgagg ggcgtgctca gatatgcagt 120
gtgtgtgtgt gtgtgtgtgt gtgtgtatcc gtgtgtacat gtgtgcacgt gtgtcgtatg 180
tgtctgtgtg tctgtgtgtg tgtgtgtgtg tgtgtgtgtg tgtgtggtgg gtgcaagtgc 240
acgtgtggcc cacagagggt ggggagaaag cttggctttt tacttccatc caggagggaa 300
ggagggcggc tggtcctcca gccttggagg gtctgcagct gggcgggacc tctactcagc 360
caggctgttg cgcacgcact ccttctcctg gagggcggcc atggcaagac gcagggtgctc 420
cttcagctgc tcgatctccc gctcagaccg tgtctngatg tga 463

<210> 80
<211> 404
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA205376

<400> 80
aagatttgaa tttttttttat tatcccagca aacattacac tagagaaaat gattgggaaa 60
atacaaataa gttcattaaa aacacaggct gattattcat atctattaca ttcagaatta 120
tgcgaaacaa ttagttatat tgcaaagctg taattctttt tctaacaaag catgatttta 180
taaaacttta atgttgccac tgattcaatt ttaatacaaa atacttatat acacaataca 240
atataaaagt aaactgtgta gtgccttcca caaaggata tattaaggcg ctttacaaat 300
ataccaatat tttgacccaa attacttttt gctttagatt aaaatgaaca ggctaaatgt 360
tccactttaa ataccaaagg gatggtttat taaaaatttt ttat 404

<210> 81
<211> 523
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA205724

<220>
<221> unsure
<222> (1) .. (523)
<223> n = a or c or g or t

<400> 81
cccattgggt gacagcgttt attgaaagga aatcttgctt tatccaggaa ttcactcaca 60
tggaggtagc tgcaaggaga atgtctcttt ctcatgacaa ccaaagcgac caaaccatac 120
cctaaagcag agacgcaatg gaataagtca acgggcattg tagaacgaca ctcagaagca 180

ggaaaaacca taaaagatac aggatgattg tctcttcagt attgcatttg gccatgtatg 240
 tgtttttaca taaaatatat gttttctttt taagctagct aaagaaaata ctcttgatcg 300
 gggtttagttc ttaaagcaaa aaacagaaga aaagtatgta tatataatan aattaaagaa 360
 cgatagcatg ttatacctgg aaaggaccgt gggcactaat ctgcactttg ttccaggtaa 420
 tccatggctc tgagagtgag cacactgtca aagtcactgg ggtgagatga gccgggactt 480
 ggaaaaccct ctcttaactt tcagtctcaa ctctctccac tcc 523

<210> 82
 <211> 587
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA211443

<220>
 <221> unsure
 <222> (1)..(587)
 <223> n = a or c or g or t

<400> 82
 catttagtca aatattttatt tgaactcata caaagtttag tgacataatt taaaagggtga 60
 agaactaaaa cgcattccaa atattgacca aaatactgta ggaagtagct tgggaaactt 120
 ttcatcaaaa tcgttaggca cattgccata tcattctcca taaaatcata tccctcctca 180
 aaaccacacc ctccagggtg tgaatttatg ggctaatttg ttctgtgagg tgccaaaaat 240
 gaagataaag taagaaatac agccaactag aaggaagaga tataaatgta caaacaggcc 300
 atttctgcta gagtctcagg cattcaggag gtccacaatc atcatacaaa tatataaaat 360
 tttagtgagc tattgaatcc atcttctgcc tctttatttc ttcacatcaa tccttttttc 420
 ttcctactac tggtcagctt tggggacata ttttaggttc actttttaata ttctggattt 480
 ccgatagatt gactgcaggn ccgggagggt cctcgctcen ggaattggct tcttctcctc 540
 atccgagggtg ggaggacacc ctctccact tcggggggaca ttctttt 587

<210> 83
 <211> 382
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA214688

<400> 83
 gtttggttgg tgggggttaca cgggggttcaa catgcgtatc gaaaagtgtt atttctgttc 60
 ggggcccac tctcctggac acggcatgat gtctgctcgc aacgattgca aggtgttcag 120
 attttgcaaa tctaaatgtc ataaaaactt taaagagaag cgcaatcctc gcaaagttag 180
 gtggaccaca gcattccgga aagcagctgg taaagagctt acagtggata attcatttga 240
 atttgaaaaa cgtagaaatg aacctatcaa ataccagcga gagctatgga ataaaaactat 300
 tgatgcgatg aagagagttg aagaaatcaa acagaagcgc caagctaatt tataatgacc 360
 agtttaggaa aataagagct ca 382

<210> 84
 <211> 398
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA216589

<400> 84
 cacaaattta agtttggttt atatatttta ttgacatggt tactcaatgt ccacatcatt 60
 ccatctgcat cgtcttccta caaacagttt ttcttctact attcggttat ttctcctttt 120
 tttgtttcct atttcagaat caaatttatt ttacttgcaa agtcagtgga atatggtttg 180
 gaaccagtag ggcctctaac ttaagcccag aacctgtcaa agagaagtgc agtatcattg 240
 ctaagacttg aacagtttat ctctcagaat cttcagttcc tttgaatttc tcagctctta 300
 gtgtaatctg ttttatgtgt ttgtttaga cttccattta tgggatagat ttccaaaata 360
 attttgggta atccaactgg gtatttttagc attcccgg 398

<210> 85
 <211> 378
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA219100

<220>
 <221> unsure
 <222> (1) .. (378)
 <223> n = a or c or g or t

<400> 85
 tttttttttt atgcttgaac taatttattg atgagattct catttctgta gtataaaagg 60
 aaaatatttt gcagttatct cgtatttgaa agactttgcc atagagaact ttatcagaaa 120
 tggatgaact ttccattatt tcttataagc atattggttt tggcctgctt gagtttaaaa 180
 ctttttttgg tagacntaga atgttaatat ttagataaag aaaatatttt acngaagaca 240
 ttaccagaaa gtaaaataac ttgaacattt cngtatttagc ncnttatcag agaataacat 300
 ttatttttatt tggaaagttt tccnaaatat gagacnaten gcnatttctc agacnaagtg 360
 aaaaatttaa taaaatag 378

<210> 86
 <211> 444
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA219304

<220>
 <221> unsure
 <222> (1) .. (444)
 <223> n = a or c or g or t

<400> 86
 gcttgggcaa aagtcttcag aacaaaggct gtgagcaggt gttgccctgg ttcttgccat 60
 atcgctcccc aaagggtgctg taggagccat catagtgttt gtagttcaac tgtctctggt 120
 aaccagtgtt gagatagcca atggcttgga cttgacctct ggagtaagct gctgtgtttc 180
 atttagataa tccagtacat agatgttagg agcaaagagg accatattct gctctccaca 240
 gccatagggc atctggagaa gattttgtgt gttttgcatg gcagagctac atatgtctcc 300
 caaaactgag acagaagctc gggcagattc ttctaccaca tttggtggca gtttcaggga 360
 taattcttca gaaacctcan cacctgntgg acnaagtagg gagttgaatg ttgtttcctt 420
 ctctagtcct tcaggttcaa ccaa 444

<210> 87
 <211> 341

<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA219552

<220>
<221> unsure
<222> (1)..(341)
<223> n = a or c or g or t

<400> 87
tttttcagtc atgattgggt taaaagttaa attggagacn ttgccggtgg nnaacaaaat 60
ganggcatac aactgtcaca ggcagggcag taagtacaaa gtctagctgt aaaaaccgtt 120
tgaaaatata aactcgtttt tggaatacat gtgtcaaagg ctgcccattgt taataccttt 180
ggtataaaac ggtaacgatt cccttgacaa acccatccat cacctgacgc acattcacat 240
ctcctggtaa ctactctacc tagtctagtc tcaaccaccc ctgtcagtca cgactcactc 300
ctgttccttt gcaggtgcag aggagcctgg gaggtaggtc a 341

<210> 88
<211> 323
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA227926

<400> 88
atgtaaacta tcaaagtgtt atttaaattt ccatttataa tattttcaag taaaatatgt 60
acaaaaatgg ttataaaatg gttgaagcaa ctagaagcgt gacaggtata atacatatata 120
atacaaccaa aattcaattc aatgcaaagt tgaatgacat catattgcac caaaatttat 180
tccatacaaa agcacatgca tcaagagttt ccataagatg aaaacaaaca cacttacttc 240
atagcatctt accacttact tacacaaata gcccataaac accatctggc attgtgattg 300
cagtaccaga actctcccca gag 323

<210> 89
<211> 469
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA227936

<400> 89
tttttttttt tttaaaaaca gaagcgcgac catttcttta tttaaattata caaaagggtt 60
ggggaggggg gcagctgtgg ggctcggcac accccggggc ccaccccggc ctggcgctgt 120
ctgagaagag gggatctgag ggagatccag ggatcaggca ggatagggat ggggcaggac 180
atgaggctgg gggatgcaga ggtaggtgg gagaggctac cggagtaaga atgaggctgg 240
taggggaggg agaaagagag caaagagaga gaggagcaat tggggggccag ctggagagct 300
cagatggagc aggtcaggag gtggaacaat ggcagagtga gggtaggggg cgcagtgtct 360
ggagagggcg aatgagaag gctggggaga aagaagaggg tggcagctct ggtgcagggc 420
ccagagcagg gagccaggtg aagagtggct ggactttgct gccccacc 469

<210> 90
<211> 462
<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA232266

<400> 90

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atttttctac tttcttttaa tatcattttt taaagttggt aagcagctag acatcattta 60
gaagcagacg ggttaaaata gacaagaaat agcaaagaca catccttcac atcgtacaga 120
actgtattag tatccaccac caccatcaca ggggagggct agctgtcact ggggtcagga 180
gtactctcca ttattgtgca ggggaccaga cagcatttag gtgtgacgat gtcaaactga 240
gtggacatag agagtgccgg gatcaaggct tacagttttg gctctagact tgcgtgaggg 300
ttggttactc ttaatctctt ccaggctgtg ctggatccca tagccgaagt agatagcaaa 360
gccaatcagc atccagaccc caaatcgggc ccaggtagca gctgtcatct gcatcataag 420
gtaaatattc acagagatgc tcattagtgg gaggagaggg aa 462
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<210> 91

<211> 401

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA232508

<400> 91

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gagggtacat cgggggagag gagaggagag gagagcctct ctgtgccttg gtttcccatt 60
tgtgcattca gggcctctgc aggctcacac agggagtctg aggggatagt gtttaagtga 120
gcactcaggc ttcctctgag gaaaagaaat gaccaaagtg cagactttta ttactgccat 180
tcctgctcct aatgggagca ggagtcaaaa ggaaaaacaa attaaaaggg gctaattgaga 240
aaggaggaga gatgagacag agagtgtgaa gggctatgcg cgtggcatct cataaattct 300
tattgagaat ggcacaggta ttaaaaaagt ttctgggtag tctacgagaa atgtcaatta 360
ttatctctac tacaactact tacatatatc taatgggaaa a 401
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<210> 92

<211> 387

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA233347

<400> 92

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gctgcaaaca tgcagagatt tcatttattt tgtttggcac atgggaacta cattttgttc 60
ctattatctg tgtgtttcac tttgctgtgc agattttcat ccaatttttt tcaggggagg 120
gcatatacat ttgtagggct gtatctatcc aattctgcct gtaacaaaca cccaaacatc 180
ctaaaatatc aattataaga cagacaagtg taatgtaaaa ctctggagaa catcaaagaa 240
aaatggccat gcatctgctc tttaatgttt tcctacgata tattaaaata aaaacaaagt 300
ttcagtctct tcacaagaag taatttatat tctctgaatt ttttcagcca caacaactgg 360
attctctttt ctgatttttg ctgcagc 387
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<210> 93

<211> 403

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA234095

<400> 93
 attaatgcaa acatattttt attaaagaat gaatgcattt atgctaaaga atagcttaca 60
 tatgttgtaa agcaacaagc atatcttcaa gaagtgagtc ctctcaata tgactccatg 120
 cttattctac atgcctgaaa actgggcccc cacacagggg cacacgtaca cgcacacaaa 180
 cgcagatacg gacacacaga tatgcagacc gaaatgctga caccatcgct ctctagattg 240
 gattagctct catttaaggc ttcttaggtg ccgcagtgcc cctaataatta ccaggattga 300
 aaacagactt ttaggaagga gcagcattac ttcgaaaagt agtcattctgc tcttgtcctc 360
 caatgtgtgt attttaacaa ataccattta attctatgtt gac 403

<210> 94
 <211> 103
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA234634

<400> 94
 cagctcacgc gggacctggc cggcctcccg agtctcttca agcagctgcc cagcccggcc 60
 ttctgcccgg ccgcccggac agcagactgc cggtaacgcg cgg 103

<210> 95
 <211> 291
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA234996

<220>
 <221> unsure
 <222> (1)..(291)
 <223> n = a or c or g or t

<400> 95
 ttttttgaag cttcacacct ttattgtgtc cggggggcgc cggggcctca ggggtgttcg 60
 tagcccgtgg cgagagggtt cacgtggcta ttgtggaaca gagtgtggtt gccgtcccc 120
 caggggtagg gcttggtgcg gatcgagggg tggttgtagg gacggaactc ggggcgcggg 180
 cgggtggccag nantggagat aggtagttag aggtgcagag ggccacgctg ggcagcgcag 240
 catcgaaggt cagcagacgc caggtacgag ctctgctcc tccgtggcct t 291

<210> 96
 <211> 139
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA235310

<400> 96
 tcaacaaata ttattgttc atcaaagacg agccagattt tatgggcatt tgtgatggag 60
 gctggcctta gctttaggag aaggaaactcc aagagcagta gtgatctctg agatcacctt 120
 gttcacctc ctcggggca 139

<210> 97
 <211> 382

<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA235618

<400> 97
acaatttaaat aattttattac attacagtgg catcacacca gcagtcaata aggccactct 60
agggaaaaat ctttcagtat ttccatgaca cattctgttt acaataattc ataaactggg 120
aaaattcatt ctaagaaaac ttggcaaatg aaactttgga ctggaattgg catttctttc 180
tctgcttttc gttcccacca tttctttctt ttatactaca gtattcatat tttaaaatgt 240
tttaaattat ttcagaacat taagatagca gttacatttt ttaatagtta tattatttta 300
aatgactct ttaaaataaa gtttttagaga aactatatta tggatagggc tgatttacat 360
tttcaaattt tctaaaatca gc 382

<210> 98
<211> 175
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA236241

<400> 98
ttttttttttt ttttttttcg gcggtcaacg cgctttattc cgaggggctt cagatacaga 60
tgaccccagc cctgcatccg cccggaagcg tccccttact cccatggggc acctcgatac 120
cagctgccct gccctgactc acttctcagc acccatctta cggcagtcgg ccctg 175

<210> 99
<211> 401
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA236455

<400> 99
tttttacgaa accaggttta ttaaaatttc tctacaagtc agaaacggcc atctcactgt 60
tcacatatat acacgtatgt acaggaagaa cctagtgttt ctagctttcc cggcagaagg 120
ccctgccagc ccagagtcct tagtcggata atgtatcaca gatacaacag tcgagcaacc 180
acgagagcgt tagtgcgaca gaggcctctg tctccctct tctcaaagtc ccatgattct 240
gtcaaggtaa tattgccaat aatcattcac atttcacgtg gtttttagaca cgcaggttat 300
tcagacagac acagacaaca aaacaagcct caaagccaga acaaaacaaa acaaaaccaa 360
atcgaacata ggtataaaaag gtaaaatata tgtacaaagt a 401

<210> 100
<211> 533
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA236476

<220>
<221> unsure
<222> (1) .. (533)

<223> n = a or c or g or t

<400> 100

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tttttttttt ttttctcatc actgagtatt tattatatat aacaaataca tgggaaagaa 60
aaaactatat tgtgtgatat aaatagttta tttacattac agaaaaaaca tcaagacaat 120
gtatactatt tcaaataatat ccatacataa tcaaataatag ctgtagtaca tgtttttcatt 180
ggtagtagatt accacaaatg caaggcaaca tgtgtagatc tcttgcttta ttcttttgtc 240
tataatactg tattgtgtag tccaagctct cggtagtcca gccactgtga aacatgctcc 300
cttttagatta acctcgtgga cgctcttggt gtattgtctg aactgtagtg ccctgtatth 360
tgcttctgtc tgtgaattct gttgcttctg gggcatttcc ttgtgatgca gaggaccacc 420
acacagatga cagcaatctg aattgttcca atcacagctg cgattaagac atactgaaat 480
cgtacaggac cggaacaac gtataganca ctgtagtcct ttttttcaca gtg 533
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<210> 101

<211> 308

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA236545

<400> 101

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tttttttttt taacgttttc aaaatctatt tttatttttc ttcagtatta cctgctgttc 60
ccaagtggct gggtaatcta tgggttatat tttcatttac cctcaaagct aggctgccag 120
tggaagctaa gaataacaca attaaattca agtttctcta gaaaatatga caaatcaaat 180
tttaagaaag tgtaacttgt ggttttgctt tggttcaaga tggctgatct gagaatatca 240
aagcatttaa ttcaaactaa tagtgtgtcc tcatactagg actagaaggt aatttttctt 300
ttaaggag 308
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<210> 102

<211> 297

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA247204

<400> 102

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agatacagag ataaacgagt acatgattat gatatgaggg tggatgattt ccttcgtcgc 60
acacaagctg ttgtcagtgg ccggagaagt agaccccggt aaagagaccg ggaacgagag 120
cgagaccgcc ctagagataa cagacgagac agagagcgag atagaggacg tgatagagaa 180
agagaaagag agcgattatg tgatcgagac agagaccgag gggagagagg tcgatataga 240
agataatggg cttttggaag cactgattgt ttaaagatac aaaaaatctt gtatttt 297
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<210> 103

<211> 342

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA248555

<400> 103

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attcgttgaa ggacaccagc tgcggaattt gcggctttgg cagattgaaa tcatggcagg 60
tccagaaagt aatgcgcaat accagttcac tggtattaaa aaatatttca actcttatac 120
tctcacaggt agaatgaact gtgtactggc cacatatgga agcattgcat tgattgtctt 180
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atatttcaag ttaaggtcca aaaaactcca gctgtgaaag cacataatgg atttttaaact 240
 gtctacgggt ctaacctcat ctgtaagttc catgcctgga gaagctaata ccacctaatc 300
 akgtgataat tcaatttgta caataaatta tgacctggaa aa 342

<210> 104

<211> 458

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA250850

<400> 104

tttttttttt ttttttatatt tttttttttt tagcaaagaa aaagaacttt tattttcttca 60
 gtagtttcta atgcagacaa atgtgacaag gcagggagct gagctgaccc caagccgaag 120
 gtcccgactc ctctcgggag cctggaggag tcccggtagc gaatagatca gatgcctcat 180
 cctcgttcac cccaaaaggc tgagacctg gtgtgtcctc ctcgaggacc ctccctgttt 240
 ctgggtgcta gaggccgttg ctgtttctgt gacagagga tggctttggg agctccaaag 300
 aacctaacca agttttttta agaaattcgg gggacgaagc aataaccgct tggccccctt 360
 gaaagtttcg ttcaaacttt tttcaactgt aaaaaactgg ttaatctcaa attgtaaaaa 420
 aattttttcc ccccttatatt tgaaaaaatg cattttttt 458

<210> 105

<211> 410

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA250958

<400> 105

cagttgcaag atttaataga gtgaaataga gtgaaaacag agctcccata caaaggggaag 60
 ggacccaaag gcggttgccg ttcgctggct cgaatgcctg gggtttatatt gcaatccttg 120
 tccctccac tgtgctcctc aggcaataga tgattggcta tttctttacc tctgtttttt 180
 gcctaattag catttttagtg agctctctga ttgggtgggt gtgagctaag ttgcaagccc 240
 cgtgttttaa ggtggatgcg gtcaccttcc cagctagggt tagggattct taatcggcct 300
 aggaaatcca gctagtcctg tctctcagtc ccctctctca acaggaaaac ccaagtgcctg 360
 ttggtgaggt tggctgatga ccactctaac tgcttctgc tgaactgggg 410

<210> 106

<211> 372

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA251769

<400> 106

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 agcctcaaaa aaataaaaaa aaaaaaatta tccagtgggt atgaggagtc taggaaaacc 120
 tgtcccagta atgccaaact ggaggtgaag ggctgactgg ggcagctgag aagtgggacc 180
 ttctgttttg caggcttcct ctcccttgcc tggatcatgg tttctgggtga gaagagtgtt 240
 cctggccttg ctggagggtc ccatggcccc gaactaacag tgtttttctg aaatttcgac 300
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 ttcagcctct gg 372

<210> 107
<211> 389
<212> DNA
<213> Homo sapiens

<220>
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<400> 107
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caataatacc agggagctga gtaatctaata acaaagcaag acaaagccag ggtcactgga 180
agcagcagtg gtcttttctga ggaagttgca gctgatcacc aacctgaatg aagtgatgta 240
atggaaaata gaagtgtttg aaggaagatt gcttttagtaa ctgaggagga gagaggaaag 300
aggagaaact gcacaagtgg gtagagatgg gaaagtccat ggcctatggg gaaggtgagg 360
aagttgactt ttatttttcaa tgtgccgtg 389

<210> 108
<211> 281
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA252528

<400> 108
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ttagggcaca ctgccctgcc ggcatagccca cagcttcacc acccaggaag ctatgctgag 180
ctttagtgtc cagagttttt attagggttt catgatgtac tgattaaagc actggccaga 240
tgattaaact cagcctccag tccccgcgcc cataggtcag g 281

<210> 109
<211> 412
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA252802

<400> 109
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aggttccagg tgctgaaaat gaacaattac atacaggaat agaggcctac tctgcactta 180
aaaatatctt caaaaaagtt gctgggtcaag gagtatgcag caatggtcct tcctgtttgtg 240
aacattgagt cctagtgggt gaggtgtggg ttgttactat taaaaatcct tgttgtattg 300
ggcacaagat agactgaaat tgactgtagt cctcacgggt agtctaattg cagcaacatg 360
tgaaaaaggc aggcaagagc tgagtcagga aatagacaa gcagggtacc tt 412

<210> 110
<211> 326
<212> DNA
<213> Homo sapiens

<220>
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<400> 110
gcgcacacc aacagcgctc ccgccccgtt tttatttgaa ttcggagAAC cagaggcgcc 60
tgcagattct ggaggggtct cgctgcccA tcgctggcag cccgagatcc tggggagggg 120
atgccatact gctagagatg agggAagaga gcccAagca ggaaaacatt gatttgctgt 180
acactcaaag ggcattctcat gccttcagtc caccgcctcc tcggggccaca gcccgTgcc 240
tcgcgcgcggc tcagactagc tctggccctg ctgctgtcgc tgcagggtgt cgtcttcttc 300
ctggtggtcc tcgggcaggg gcggt 326

<210> 111
<211> 410
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA256268

<400> 111
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atcctacgtg atataagtat atatacaaag aaaaaaacaA cattggaata ttacacagct 120
tgaaggtttg caaaggttat ttgtgtctta gttatttctg cacttaatga cacatcagac 180
gcattgagta tatttcataa gttgttgact agcaaagata caatcattag taaccaagt 240
cttcaaaatt cacaccaaac tttatgaagt cattcagaaa gagaaagtca atcctaaaat 300
taaaattggc aactatgata aataccttca aaaggatgta gatgtaatgg agatgtttta 360
aagtttagtt tcattaattg taaaattagc atgttatatt tactcaatat 410

<210> 112
<211> 355
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA256294

<400> 112
acaactttta aaaatggttt atttttttct ttaacaaaat cgtacagctt tctcaatccc 60
caaattaaaa aaacagaaaa caggaagaaa gggaagaagg caaaggccac acgcacaggc 120
cggccccgct caccgcctg ctggacggca cttcagggca caaccacac gcgtctttgg 180
acttgcagac attccgcgag gcttctggcc tctcgaaggc aaagcttttc agcgatttca 240
ttaatatctt attacgctga gatgagatga aggcagatgc tacagaaata tgtcagttta 300
agccacagaa acagaacagc ttaagaaggg ctgggcgccc aagctcgtca cgaca 355

<210> 113
<211> 196
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA257093

<400> 113
tggtgttttt tcaggccaga ccagaacatt tttattgggt tagtcactta ggcattgctaa 60
ggtccccctg ggtagggag atttcagccg tgagtgtgca ggtgtgcatg cacattaggg 120
ggatatctat tgggatgcag agaggTgaga gcagctcttc agaagcgctg gcaaaagaag 180
aatgtgtatt gaaacc 196

<210> 114

<211> 284
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA258476

<400> 114
aagcttacac tgagaattta ttggagggct ttgagacagc tcatgtaatg gaaagctctt 60
aagaactagg tttagaaggt gcagagacca gggcaacttc agggatccag gtagcaggaa 120
ggaatcggta gcctcttttg tatggccact atgggtggtag acactgtcta cgttgtttgc 180
tgagtcttct ggctttcttc cactcttcct gctcttggac atcagactcc aggttcttca 240
gcctttggaa tctaggactt gcaccagtgg gttgggtgcc aggg 284

<210> 115
<211> 377
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA261907

<400> 115
gcatttcaat agaactagct ttatttactt atttatttat ttaaacaaaa gaaatgggtt 60
aaaagcaaat gcatatatgt accaagggat ggacatgacc tgggtacttac aaaggagctg 120
ctgtgtcata atggaaacag catattagga gaaaaatagt atttcgtgtg ctgtctgctt 180
gagtaatcaa tctggagatg caagttaacc gaagtgcac tgccaagcca tcagcgtgag 240
aaaaaaaaac caccagaagt tgcctccaga taacgatgta gtggcagcat gataactggc 300
atcaactcac ggtcttctca ttttcccat tttctataat tttcctcttc ttttcatcta 360
tttttttctt gaagatg 377

<210> 116
<211> 181
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA278767

<400> 116
atacaaaatc agatctataa tttaatgcc a ttttggttaa ttaaaaatac atgtacactg 60
gacactacta catattaggg agcatctatg caaataaaaag gaaacatcaa attcattaaa 120
atgtttacct atgaggtagg ggtaagaggt tagatatggg agtaaggact ggagattaaa 180
a 181

<210> 117
<211> 419
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA279313

<400> 117
tttttttttt tttctttttt tttttttttt tttactgaaa gaaaaaaaaa tatttttttat 60
ttcagttaat cgggaagctt tgtcagagcc ctaccataa ggagaagaga caacagctgc 120

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ctttattctt gttgggttgc tttgaatccg ctccgtgtaa agtcagctaa ctctctcggt 180
cacgggcgtc cggctgtcca aaggctcctc tctgtttggc cttggaatgg aggatgaaac 240
aatgtctttg ggctctccct cccctcggtg tttgtacttt tctggggccg ttgcgggggtg 300
gcaacccggg gctgagtcct aaccgggtcc ttggggcaac cgtcgctctc cagtgaagct 360
tctctgggca acttctcctc tttggaaaag ctggtgctca agtcctgggg ccagggggg 419

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<210> 118
<211> 513
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. AA279757

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<400> 118
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agccctcaca ttctcttgat ggaaaaaagt tttgtcaacg atattttcaa tctgctttgc 180
ttttttatth ctgcctagct gcatttttat ttcactactg ttcattttgt tctctaggag 240
tcgctggtgt tgatgctgaa aagttacagg atctcttcca ggaggaggat ggcagtacag 300
cagcttacca ctgacatagt ccttcaggat gtacgcgcga gatcgaggct ggtctggctg 360
tccatgcgct gtcatgaatc ctgcgatgta tccataagct gtcaacagtt cttccgatgt 420
tggaggtcgg tggggatctt catcctctct aggcgttatg atgttaatgc cataggtagc 480
ttctaaaaca tgtcttgga tttcttgga aac 513

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<210> 119
<211> 256
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. AA279760

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<400> 119
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gaaagataat tcaacagcaa tcaatttaca gaatttagaa cagcactaca tttcagcaaa 120
atgcaactag agaacatcag ataaattata gtaatttggt tttaaaaatc cattaaacta 180
tctcttacct ctgcaataat gtatcataca tgcagttaca gaagttagta gggaaaagca 240
tgatcttcct tcccta 256

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<210> 120
<211> 367
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. AA280929

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<400> 120
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ccacagtgtc cccattttgt ccttatatca gatttcccat ttgtgagtga ttctgaacaa 120
taagttgcag acatcttgac ccactactcc ttactattcc agtgtctatt tcctatatac 180
aaaggggaatc taccaggtaa tcatagtaca acaatcaaaa cctggatggt aatactgac 240
caatatgaat ataggatcct cagggtgcat tcaacatttt gcctcttctc ctttatatth 300
taaaattata tatgactact tacatttttc tagaagaaaa aatagaacaa taaatcacia 360
aatgcc 367

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<210> 121
<211> 427
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA281145

<400> 121
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cagggcagca ggcagttcac aggacagcag gcagttcaca gggctttggg ggcctcacag 120
ggcagcaggt ggttcacagg gcttcggggg gcctcacagg gcttcggggg gcctcacagg 180
gctgcagggg gttcacagag cttcaggggc ctcacagagc ttcagggggc tcacaggact 240
gcaggggggc tcacaggggc ctgtatgcag ggctgctggt acaaagaaga ggcccagaga 300
accctaacac agcctggggc cccggggaag tcagggcttc cagcagggca ggtacagagg 360
cccctaggac ttggcaggag ctcagccttg gggacagtcc cacggaagac gctgcatccg 420
ggctctt 427

<210> 122
<211> 257
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA281345

<400> 122
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ttaaaaagaa tccaccgcac gaaaggtaaa caaagcagac cctcagaaac tccttgga 120
ggaagaaccc ctccccagat tggcccagtt tcaccagcaa ctggtctcag ctcagcctta 180
tgcttttcca ctgacacccc ccacccctcc acattctcga tgattcagac caggaacttc 240
tcggctgatt gtgtccg 257

<210> 123
<211> 365
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA281591

<400> 123
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cggaaagtga aacttacaaa aaaagtgctg gtaacattta aaaaaaaaac aacaaaaacc 120
ccaaaaaaac aaacatcatt cttagcaaca tcaattactc ttccacacaa aacagaaacc 180
ttgtaaaaatt ttttttcgta tttttaaggc gtaatacttc cgtataaagt atatgcaaga 240
gataaaaactt cacagtattc caaaatgtca caataataat aataatataa tagtataatg 300
aagcgctaca gttaatTTTT ctttttttga atgttttttt tcctgtttta ataacaata 360
caagt 365

<210> 124
<211> 369
<212> DNA
<213> Homo sapiens

<220>

<223> Genbank Accession No. AA281599

<400> 124

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ccccagtggc tacagaagct tatatactct ttctcagagg caaaagagga gatgggtaac 120
gtagacaatt ctttgaggaa cagtaaatga ttattagaga gaaggaatgg accaaggaga 180
cagaaattaa cttgtaaatg attctctttg gaatctgaat gagatcaaga ggccagcttt 240
agcttgtgga aaagtccatc taggtatggc tgcattctcg tcttcttttc tgcagtagat 300
aatgaggtaa ccgaaggcaa ttgtgcttct tttgataaga agctttcttg gtcatatcag 360
gaaattcca                                     369
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<210> 125

<211> 375

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA282247

<400> 125

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gagcagttat agaacagaac ttcttatatt tctttattta caccacactc tgaaaaaaaa 120
aaccagttc tatttgatta actatgaata gcaaagtttt gtgacttggt actcacttaa 180
atcacccatc tgaaattcat ttacaagggt tttacattaa taaaacagta gtgtggtaca 240
tgtattggac tcagatgaag tctaaagtac actggactct agagagtggg ttacatacca 300
acgaccaaga ttcaagtgtt tggggaaaaa aataccttag acagtctatg ttggcgtcaa 360
cactaaaata aaagg                                     375
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<210> 126

<211> 242

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA284153

<400> 126

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ataaaacctc agcatttcaa aaaagcttat tccgctgcag gaaagaaggc ggacattttt 120
ggtaccataa taaatcacac actcacacat ccatattgct taggttgaag agaacggaat 180
gaacagagga aatttcttcc atgaattgcc ctccctttcg taccgcgccat gttttagtta 240
cc                                     242
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<210> 127

<211> 428

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA284879

<400> 127

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attcccaaac atacaatgaa ccccaaataa aacaaaacca aattgcacta ttacaaagga 120
acaagtccat gaaagtagag aggaggcgcc agttaaggga cagcaacttc aaggagacgg 180
ttgttttttc gtttacatgt tgggacactc ccatttttct ggtttccctg aataaacttc 240
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acacatactt tgtccggtct gaacagggtcc agggctccac cggaaactcc aatattgagc 300
ctccggttgg gtttggccta aaatttttgc ggaagaacct ggggtgggcca tttcaaacca 360
agtggatccc tcctgaaaag aaaagttccc ttactaactg cttctgagcc ctcctttaag 420
tggacggc 428

<210> 128
<211> 425
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA284920

<400> 128
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ccgtccccac cccccctcc accgctgggc ccatcagtgt gtgttggggg gatgcttgca 180
gctgggggtg aggagacaac aaacctcggg aactggagcc agagctgcgg cctgactgac 240
gccttttgat gctcacggga aatttctgcc caggatctca gcccaggct ggttgtttct 300
acaaatctct ctcaaagtga ttatttttgt gacaaaaatg aaggagcttt gtaaattttt 360
ttaaatttat gaatcatatc aagtagttgt ttacatttct tgaaaaata ggaactcggg 420
cagca 425

<210> 129
<211> 405
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA287389

<400> 129
caaaataatt aaccttttta atttttttaa ggaaaaatac tctccatagg aaggcatttc 60
tattttttgt ccatcagtag ccaaattggaa cttgatataa acacttccag tatgccaact 120
ttggtttaat gcacaacttt gaaaataact cattaaaaca cacatcaaga tgctactaac 180
aaattcatta atatccaaga ttcattactg tatgtcaaag gtcattccagg attaacattt 240
tcattacaat gaactgtgaa attccaatga aaaatgtttg cctgaattaa attatttaatt 300
ctctcaaatt ggaagtctag cactcttgaa aatcaaattc acacacacac agacacacac 360
acacacactt acaaactgca cattaggaca tgagggcaat ttaat 405

<210> 130
<211> 478
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA287832

<220>
<221> unsure
<222> (1)..(478)
<223> n = a or c or g or t

<400> 130
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acagcgacag tgatgactcc aaaaaaatg tttagaatta gaagtgcattg ttaatctgag 120

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taacttaagt acagaaaaga gttagtagac cacaagcatt ttctacactt ttattttgtg 180
gtgattgtga gacaaacaca gtccaaacaa tagacttctt gtctctcccc tcccaacaac 240
tatctgactc catagctcat gcaccccaat tacagcaggt gtcgggctgg cataaaggct 300
tcttaccagg attccagttt atcctttctca atccttttct catctctaac aaaaatgcc 360
cacatacatg tagttgtgag aggcaaagtc ttctttacac tcaccaccag ggnngcgat 420
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<210> 131

<211> 216

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA291676

<400> 131

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gactacaaaa ggacctaagc ctttttaaact agactgtctc aactgtgcat taattatgta 180
tttagatata ggatatgtgc ttgggaaaaat gtataa 216

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<210> 132

<211> 431

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA292328

<400> 132

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cctcctgcct tggcctccca aagtgtctggg attacaagca taagccactg caccgggccc 120
agagggggtt ggaatgaagg tagaggcagg gggatgaagg cgccagagct gaagaccagc 180
ccccagaagc cacaccctg ccttcttagc agctacgggt cctctggctc cgggccttgt 240
aaacctcgat gagcagggtc ttgacgtact ggatctcgcg ctccacggac tctgcccgtt 300
ccttcagctc gcgattccgt gcctccagcc cctggaactc gaccctccag ggcctcacc 360
tctgcccgtc tccgtggcg gtacctcaga gccgcccact tgttctggtc tctctacttt 420
tgcttgccgt c 431

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<210> 133

<211> 318

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA293187

<400> 133

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gggagtggct gttccctggg tccaccagct ctgggagggg acatggaaat ggaagatgtg 180
ggtggcatc cggacaggga ctggtgctg agaatgctgg ggtcagagtc ctgggaggga 240
gagagatggg ggaacatctg tgctcagaag aggggggtgta tgggtagggt catgtgcttc 300
tgtgcaaate ctggtccc 318

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<210> 134

<211> 424
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA293489

<400> 134
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ccccagcctg ggcccaggca accaagggtt caatgctggg aaggagagca ggggaggtgg 120
gcttagtggt aaggcgtgaa gggcgaggcc agacagctgg aggctgggtc ctccactctc 180
catttccatc acccttcgga ggctgaagga agggcggcgg caccacaggg cccttcccct 240
ctgctgcac atctcctgct caggctttct ctctaggcgc attggaggaa tcctctttcc 300
ctgtcggaaa ctcaacactg tacagaactc caaccataac ccttctagct tcctctccca 360
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aagg 424

<210> 135
<211> 340
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA298981

<220>
<221> unsure
<222> (1) .. (340)
<223> n = a or c or g or t

<400> 135
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agactgtgaa cagcttgctg tcacttcttc acctcttcca ctcccttctc cactgtgtta 120
ctgctttgca aagaccgagg agctggcggg gaaccctggg agtagctagt ttgctttttt 180
cgtacacaga gaaggctatg taaacaaacc acagcaggat cgaagggttt ttagagaatg 240
tgtttcaaaa ccatgcctgg tattttcaac cataaaagaa gtttcagttg tccttaaatt 300
tgtataacgg tttaattctg tcttgttcat ttgagtattt 340

<210> 136
<211> 535
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA308998

<400> 136
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aaattcagag taacatgagc aaaacctcag ctaaaaccca tttaagtggc atggattgtg 180
catgatcttt gataagaatt cctcatgtac ttgtgcctag tttttcaagg tattggctgt 240
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gttcatttgg agagtcaggc cgaaagacag gtgatgtagc acttctgttt ttaataatta 360
ttgcttaaaa tacctattaa tagttttggg tcatttaaag ggacttgagg aagctaccca 420
ggattacaga agagtgtcca cctaacaaga tggctctggc gtttcctagt tttgtatctg 480
gttcaataga aatatgtgaa agtggtaatg tcatcatttg atgcagagtc cggggg 535

<210> 137
<211> 324
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA312946

<220>
<221> unsure
<222> (1)..(324)
<223> n = a or c or g or t

<400> 137
gaagttaaag gncactttat tnactgacag attgaaaact gtaactccag gnagtgcaaa 60
atgcaccaca acccaattac aaagaacagg tgttaacaca caatgtttta acaatgctac 120
actcattttt ggcaaagtgc tgtattgttc agtctgtgta caaaactgac catctatgan 180
ccaatcagta taaaaaattt ctataaaanc aaaatttagn cagtggctca agaaaacaag 240
ctgccattta tgcatagnnt gatgtacagn aacctaacca aatgtccctt ttgaattttc 300
aagttactga aaaaaaatgt gtcg 324

<210> 138
<211> 428
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA316686

<400> 138
gggatgtgga gctggagttg gagactgaga ccagtggacc agagcggcct ccggagaagc 60
cacggaaca tgacagcggg gcggcggact tggagcgggt caccgactat gcagaggaga 120
aggagatcca gagttccaat ctggagacgg ccatgtctgt gattggagac agaaggtccc 180
gggagcagaa agccaaacag gagcgggaga aagaactggc aaaagtcact atcaagaagg 240
aagatctgga gctaataatg actgagatgg agatatctcg agcagcagca gaacgcagtt 300
tgcgggaaca catgggcaac gtggttagagg cgcttattgc cctaaccaac tgatgcgtgc 360
tttctcaaat atacctactg gattaattta tggcaataaa attttttttt gtctttttca 420
gtttttatc 428

<210> 139
<211> 160
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA328993

<220>
<221> unsure
<222> (1)..(160)
<223> n = a or c or g or t

<400> 139
gcttttagagc agttatggga gttatagatt ataacatatt agtgatttgt gaaacttttt 60
tactaaaatg tgaccctcat tttncctttac atgaaagaac atagaatatt tcacaatgca 120
tcccacgtgg taagaataaa aaattgtttt agttatatgt 160

<210> 140
<211> 359
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA342337

<220>
<221> unsure
<222> (1) .. (359)
<223> n = a or c or g or t

<400> 140
agagataacc agttttatttt ggggagcaaa gagaaagggt ccctaacccc agactgcctg 60
cgaagagggtg aaatggaatt gaatgggatt atggtcagcc aaggcttcct agtggagctg 120
ctacctganc tgagtttttaa gaggggtagg aaagaaaaaa tgtagtgggt cataatggca 180
ttccagatac aggggacaca aacagctctg tgtttatgaa ctacaaccag ttgttgactt 240
ttgtttcaag tggctcccct tccccagtgc tgtgtggacg atggactgaa gaggagaagg 300
ctgggagcaa gggaccagta agctgttgca gcagtgcagg tgagatatga ggcctcaac 359

<210> 141
<211> 346
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA347359

<220>
<221> unsure
<222> (1) .. (346)
<223> n = a or c or g or t

<400> 141
gtgttgcaaa gcctttaatt agaattgttg tatttttttac atcatgcata acttcacatt 60
tgtgattaat tagtaattat ttcaatactt gtaagcncat ctgcctcaga tttaatcata 120
atacatgaat taaattaatc aaattaagga acagcaattt agaaagaaac acactttaag 180
aatcaaaat tctcaattca ggcagtctgt ttctatcatt tggatttcta ctcttttaaa 240
aatttcatat tgcccaacaa aaagtgggta tttttactgt ttttggagat gactgaacag 300
atgaagggca tcagatgcct tcatcagctg ggtattttgc ctaaga 346

<210> 142
<211> 196
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA350265

<220>
<221> unsure
<222> (1) .. (196)
<223> n = a or c or g or t

<400> 142

caatagcaga cttttaaatca atgccagaga caaagtgagg ccgagctaag aacacgctca 60
gctncgttac aatgaagaaa tggtttcctt tcgatgcaaa gtataattgt aaaccacagt 120
gctcgcacag ttcacgnectg nttaaagnga aatcttagcc atacatcacc taaaagtaat 180
taaaaagtca acacag 196

<210> 143
<211> 286
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA358038

<220>
<221> unsure
<222> (1) .. (286)
<223> n = a or c or g or t

<400> 143
caggttatatt ctctttctcc tttttaatgt agagctgcag atacacttaa gttgccatag 60
taatggcaga aggaggggaag ggtgttttct ttgtaaaatc attggngtat acaggatggc 120
ttggcaggta acaacactat ttctacgata tctacttatt aatataattt tatgttaata 180
tcccattctc ctcaccataa tcaccataat gttcaaattt taattttgta ttcattttga 240
atgtttgcat gtgaaaaccc aactaatcta ttatttcaac attaag 286

<210> 144
<211> 287
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA374109

<220>
<221> unsure
<222> (1) .. (287)
<223> n = a or c or g or t

<400> 144
cgccgaccat ctctgcactg aagggccctc tgggtggccgg cacggggcatt gggaaacagc 60
ctcctccttt cccaaccttg cttcttaggg gccccgtgt cccgtctgct ctcagcctcc 120
tcctcctgca ggataaagtc atccccaagg ctccagctac tctaaattat gtctccttat 180
aagttattgc tgctccagga gattgtcctt catcgtccag gggcctggnt cccacgtggg 240
tgcagatacc tcagacctgg tgctctaggg tgtgctgagc ccactct 287

<210> 145
<211> 292
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA380393

<220>
<221> unsure
<222> (1) .. (292)

<223> n = a or c or g or t

<400> 145

```
catggagtca gggacatggt taattcattt gtgaatcccc tggtagtggc acatagaaag 60
cgtcccatat tatctgcaaa atgaatgant gaataaatga gcaagtaggt gaatgantga 120
ttctnaggtc tcctccagct ttgatggcct atgaccgtgt gactcctgca tatgcatgan 180
cacacagaca cagacactac acacatgcac agacacacat acacacttgg ngcaaagagg 240
gatgaagcct gccacactgc aggtgggtcct agctgcctga cctcccttcc tt 292
```

<210> 146

<211> 255

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA382275

<220>

<221> unsure

<222> (1) .. (246)

<223> n = a or c or g or t

<400> 146

```
aaataataaa tgaaagattt tattcatctt tgtagataac aagcactcaa aggttaatga 60
gtgaaggaga taaccatctc ctccaaacaa agnggctctt aataacgcag aagcaaaaat 120
ctttccactt ttagatgaaa acaaaactaaa aaataacttc aggcttcaga tatggaaata 180
aagcaccatt tttcaaattg tagacttggc ttacttaaaa taagtaaata gcccccgnc 240
atctgaaaaa gaaaa 255
```

<210> 147

<211> 407

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA386264

<220>

<221> unsure

<222> (1) .. (407)

<223> n = a or c or g or t

<400> 147

```
ttattttaata actgtagaaa tccaaaagaa ttagcatcaa atcttgaagt cgtgagtnaa 60
gctgcggggt ggcttgactg ggctcagcca ctgagctgcc tcaaccggcc aaggaacggg 120
attatgatga ctatgcggac ttctatatgt tcttcatctc attgtgtgta ttatgtat 180
agtttcaata aagcatttgt accaatggct ctggagcttg gaggaagact aaaggaatgt 240
gtagtgattc tgaagtaaga ttagaccta cgcagcagag ctatggggga gaagattaac 300
aaagtccttt cttccaatat caggatagtc atgagttgca gtcccatcca aaaggtcatt 360
agggctnaaa ggccctctgt gtctctgaac tatgagattc ttgctcc 407
```

<210> 148

<211> 205

<212> DNA

<213> Homo sapiens

<220>
<223> Genbank Accession No. AA386386

<220>
<221> unsure
<222> (1) .. (205)
<223> n = a or c or g or t

<400> 148
ggnggtaaaa ttncactttt atttggccaa tgtgttcaat tcgattgtna aatagaaatg 60
cctganganc tgtnagcgtc tgattcagct ccagcatcct tcttcaggcc aaagaactcg 120
aggatgcgct ggttgtcggg gtggtcgctg tcgatgaaga tgaacaggat cttgcccttg 180
aagctctcgg ctgctgtttt gaagt 205

<210> 149
<211> 440
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA397919

<400> 149
ttttctgttt aagaacagct ggtttattct tttgatttat tgtaggtatt aaaagtttct 60
tttgtgagat ggcacatagg caggtttggt gtttcctaac actatgaata tcttaaattg 120
cttttgaaag ttttatccac aaagaaagaa aaataagggt ttcctcacag ttgaaaatag 180
tttttgaaaa aaggttaaga ggaaaaaaat ctaaatacca tccttgataa agaaatggaa 240
cttcaagtta aaaatacaaaa tttaaataaa gttttataaa atattaaaaa ctagctaaaa 300
gtacatgcat aggcatttaa tcaaggtaag aggaacagca gtggaactta aatatgatac 360
aatttatcaa caataaataa acatttcagt gcaaatagtg cagaaaaatt tctcaaagat 420
catagcaatc attctaatacg 440

<210> 150
<211> 425
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA398280

<400> 150
tttgcgtggg tcattctgat ggtggctgct gtcagcctcc aagtggctta tgggatagga 60
caacccccca ggcacttcac tgtaggacag ttagcaccaa gagctaagggt tgtgagataa 120
tgcaaatctg gcctgtcacc tctgcagagt acaggttccc atactgtgag gcagcagcag 180
cagagggaac caccagagaa acagcatttc agaattgtct ttcctttggt gtatggatat 240
gtgtgtgttc tagtcttttg tgggcaatgg aatctgcagc tccatgacaa tcttggttaag 300
tagcttatgt gggaagtgtt tcaggtcaca agggccaccc attctaaggc ttctcactta 360
attccccagg ctaagagaca ggtggggaaa ggaaaaacct agcaccttgc tatactgaat 420
tgga 425

<210> 151
<211> 382
<212> DNA
<213> Homo sapiens

<220>

<223> Genbank Accession No. AA398903

<400> 151

```
tttaaattag tagagacagg gaatcttact atgtgaccca gactgggtctt caattcctgg 60
gctcaagcga tcctctcgcc tcagcctccc aaggtggggt tatatgcgtg acgcgctgtg 120
cccggtcca aagaacattt cttaagattg gtggtgcaag gatcacacct tgagaaacac 180
tgatttaggc cttcccacag tacaaagaaa tgttgctgc cccatcctta cagcacacct 240
gatgacttac aagaggtgct gctgaattcc tcccaggga gcaaccttaa ttcttctcag 300
caagacaagg aggcagcctt caggaaggac ccaggagctt ggtattagag gatgatccaa 360
gtctgatggc aaatttagag tg                                     382
```

<210> 152

<211> 449

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA398908

<400> 152

```
tttccagatt tataatttaa tggctgtgca gatcccagtc cctcatttct gtcgctcacg 60
tgcccactgg tctgggggtca gggttttctg ttcaaaggca tggatgtgcg ggactcttct 120
gctaggcacg cgttcaccag cctgtgtctc tgaagcagcg gtttcccctc gaacttggcc 180
gacaccacca ggactcgga gctacaggag caacggttga gggtcgtgtc ctccacctcc 240
acatgctccg cctccaggtc ccgctgcagc ttctcgcgga ggtattcggc gctgagttcc 300
atggcggcag tccagctgga acggcagccc agcaggggaca caaccccagc tcgggcgcgcg 360
gcacgctacc ttgctgcctt acaggagcca cttccgctgg aaaactcact tccgccttac 420
taaggcgtac gtcaacgcag tacttccgc                                     449
```

<210> 153

<211> 333

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA399273

<400> 153

```
tttttttttt tttcagaact atctgatatt tatttcccaa tattttgata cttgttttac 60
aactggaata catggaatga aggggctgat atgggacccc aggtaagagt gaggtcagga 120
ctctctaagg gtctgggggtt ccccttagag ggactttggg catccagttt cagggactga 180
gccgggttgg gtcggggggc agcatggcat cggacgtggt gccgtctgtg cctctcctgc 240
ctgcggtaca gccggcgcag gtgtttccga acggcccaca gcaccaggta cacctcccac 300
agcaactcag cctccggagt cttcaaaggt gac                                     333
```

<210> 154

<211> 467

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA401433

<400> 154

```
ttttataaac ttattacgg aaaatgcaa acatacaaaa atagagatga acatatataa 60
tgaaccatca ttttagccat caccagctt caacaattat caaggccaat ttcgtttcat 120
```

caatatttcc aatgcactta acatccagac ttattatttt gaagcaaatt ccaagaatca 180
tatcatatca gccacagatg tttgagaatg tagatgagga cccttctttc taacataatg 240
ataaaacccat tatttctaata ccaaataccc caccaatggt caaattaccc cgattgtctc 300
ataaatgtat tcgtttttaca gttcgggtcaa atcacaaattc aaataagatc caattaacaa 360
ttgggttaata tgtctcttaa gtctcttttaa atctataggt tcatcctcca tctttcatcc 420
ttgcaagtta tttacagaag aaactagggtc atgtgtcctg tagtttc 467

<210> 155

<211> 378

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA401965

<400> 155

gagagcacia ctccaaatca tcttttatta atataaaaag ggcatattta gcaaaagaca 60
cacagataaa agagtcacta tggctcagga cacaaggcag ggaggtgcca ggcctgtgcc 120
cctgctgggg gagaaggagg ctccgggacaa agtgggagaa gtgctgggaa gggctgagcg 180
gtaggggcca caaaagttcc ggtgggcaac actgtcggca ggtcatgggt gggactcatg 240
gggacctcgc tgctaactct tgttgtgggg ggggtgtcctt agtgctgcca cctggagggc 300
cactccttgg ttcttgagg ggacccacca agggacacag gacaggaagc ccaggatggg 360
tagtgcaact cgggatga 378

<210> 156

<211> 641

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA402000

<400> 156

tttttttttt gatacaacta gcaaattgttc attggttttac aacaaaccca aaatactcat 60
caaatatggg ctgttggtt tagaaaaata agattcttga gcgattccag ctgcatttgt 120
ttatacagaa cacatttact caggaccctg cagtgtcagc ttcgttcttt gggatgcag 180
ccttctatct ggatctctgc aggccagcca gaatatctgt tgttcttagc atcagagtgg 240
ttgatctttt ctctctgaat ttcggaagg agttccaagc cttttgctgc aataaatacc 300
cagctagacc tgaatttcat gttcctgatt tctttacttc caagtgttc tatggcattc 360
ttggcatcgt tattcagct tgtgtctccg tcgtcatagg tcaccatgaa gagcagggat 420
tttgagagcag cactctgaat aaactttgtc atcgggtccag agttatcgcc ttcatacata 480
tcaaaacatc gtgttgctgt cacattccca gttacatagt tgacaatggc aatgtttatt 540
cctctggcaa catttcccag ctgttctccc ataagtaggt tctcctcaa gcagattttg 600
gcgtacttgc ttctgccacc tccgctgagt aacctgtagg c 641

<210> 157

<211> 290

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA402224

<400> 157

tttgtttcta aaaagtttat tgtaaaattc aaagcttcaa cagcagcatc ctttagaaaa 60
cgaagcattg cccggatccg ttttgaaaaa gcagcgcagt cggctaagtc cttcacgctc 120

```

ctgcaactgt accaagtcca gggcgccgct ccttcctgcc gagcgcaggc tgctgagtca 180
cgctgcccgc gccagtctgt ccttcctggc cctgaggcca acgtcctagc ctaggccttc 240
ctgggcgagc agccgctcca gacacttgca gagtcctcag ctccgaccag 290

```

```

<210> 158
<211> 269
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA402903

```

```

<400> 158
cccagggcag tgggtgggtgc tttatttcca tgctgggtgc ctgggaagta tgtagacggg 60
gtacgtgcca agcatcctcg tgcaaccgga gagccccggg aggggctctg cggccgtcgc 120
actcatttac ccggggacag gagaggctct tctcgtgtag tggttgtgca gaccttatgc 180
atcacgggca tgagaagacg ttcccctgct gccacctgct cttgtccacg gtgagcttgc 240
tatagaggaa gaaggagccg tcggagtcc 269

```

```

<210> 159
<211> 359
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA402930

```

```

<400> 159
gatttgcattg ttggctcaac tctttttaag tccaaggagg cagtcacat taagtgtgca 60
ggcaaaaaag agatggaaaa aggagtcagt ttctccctg ccctccctct ctccctttat 120
caagctgagc accttgagtt gcatttgagg aaatgaaaac tatagggtgac gcaaccccat 180
tgtgtcgaat tctttcttta catttttttg gttgctacaa ggaatcagta tttttttttt 240
ttaatcagat ggtgtgtgtg gtggctcaca tctgtaatcc cagcattttg ggaggccgag 300
gcaggaggat cacttgaggc cagaagtttg aggctgcagt gagttatgat catgccact 359

```

```

<210> 160
<211> 394
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA403159

```

```

<400> 160
tttttcattg tgcaatacac ttttattttc cttttacctt tgcagtcac ttcgagtaat 60
cgttgtgtaa acaatagaat ggaatgaaat tacattaaat tgtatgcaaa tggctctaga 120
acaccttaac aattatgaca aggcaattat aaataacttt ttttccttag taatatatat 180
ttgctttttg aagtacatta aagagctgcc atatctaggg ttagctagga aagagcaatg 240
gtaccatcct gggagccac ctccctgaaa gattagactc caattttcaa aatcctaagg 300
tttactagtt ccataatata cagtcaagca gagggctact tgggttgaaa gtattgattc 360
ttgaacctta acagcgtttt accttttagt catt 394

```

```

<210> 161
<211> 376
<212> DNA
<213> Homo sapiens

```

<220>

<223> Genbank Accession No. AA404957

<400> 161

```
tttaatgaaa atagaagttt tctttctgtc ctcctttctc tcctccttcc ttctcctttc 60
cggatctttc cccaaataat tttctaataa ttcagttggt ttctgaatat tgctttttaag 120
tttttttgatt ttaaagatac aattagaaat aatgtatatg atgaaaaagc tgtttcccac 180
tccaattcag atctgtgatc tacactggga aaaatgacca ctcctcatga agttttgtta 240
ctgacctctc ttggacttta gctctccatc tctgctgagg ggatatgaag gtatttgcac 300
ttctcctggt aatgaaggga tcttagaaca gaaaataaat aatgcagtt ttagcgacac 360
atagctggaa atattt                                     376
```

<210> 162

<211> 207

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA405488

<400> 162

```
tttttttttt tttttgacgg ttcctatata acgtttattt ctggaagtta aagtagatac 60
agcaatatac caaaaaaaaa aaaaaaaaaa aaagacaaaa aacctcacia taatataaat 120
ttttacacta tgaagtacac attggaattt gaatgcagtg gccaggacag cagcttataa 180
accaccttat aggtaggtaa gcaaccc                                     207
```

<210> 163

<211> 348

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA405559

<400> 163

```
ttttttttta aaatattctg atggttttat taacaagtat ataatatata ttgcatactg 60
tatatagtat atgaggactg tacagtacaa atttatgttc acagtttgac atgacaaaat 120
gtcattactg aattcccatt ggactacaga gtagaaacag agaaggtaca ttaaaccattc 180
acatctttag taagaaagat taccaaaatg tttcagtatc tgcaagtata ctaacgcatg 240
ctaaaaacct ttaccattc agtcttatta gcttataaaa tatattacac tttattaaaa 300
atttctgcat agtttataca agtattaaag tactgtaaat gtaataat                                     348
```

<210> 164

<211> 359

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA405616

<400> 164

```
tttttgtggt ttttgtgagt tcaagtgggt tatttggagg caatcccagg aaacattagt 60
aggagagcag caggaagaca gagcaaggag gaaaggcaat cttttgtgta ttaataggca 120
gcttatcaca tgagcagcta gagctccatc caactgggga cttttggaag agagtgtaga 180
acacatctta ttcagagttg tctcacttgc ggggtgaagg ttgaagactg ctccttggaac 240
aatgccttct ccatttcctc atacttttca cctgcctgtg attgggcca gacctggttc 300
```

cattgcccac gaaagctctc aggaagatgc tcaagtgtt gcagtaagaa gcaatcagc 359

<210> 165

<211> 346

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA406371

<400> 165

tttttctcag tcattacttt tcttcggtgg cactttgttt tcttgtgaca gtgaaaagg 60
tactgtggag acgagacagc cccattgcaa tttatcaatg aaaatctaata accgcccata 120
agcagagaag tggaaatcaa tacttcatta ccaaattgtt agtgaggatg aagagaaatg 180
gctgggggtga tttttttttt tttttttttt ggcagtcttc tcagagccag ggtgtcagga 240
ggagttcaat gagttcaatg tcagaagcag gatgggtgcaa cgaagaaggg ttcagtgtga 300
ggggatccag gctggaaagt ggaaactaag gcattcgtcc tgcaga 346

<210> 166

<211> 143

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA410298

<400> 166

gcaggctaga aaataatttt aatgcaaagt agaaagtatc aatccacctc atcactttcc 60
ttgctctctc tctgtcacct cctcttttct gtggctctga ggagggtggga gaagcaggca 120
gtattttccac agcagctgtc cat 143

<210> 167

<211> 298

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA410311

<400> 167

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tcagcagtaa agaagtttag tttaactttt tttttaaatg taaaatagtt tggatctgtt 180
aaaaggaata cagttcgccc aaagcactta ttttcatctg ttgtaaactc attcttttcta 240
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<210> 168

<211> 445

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA410355

<400> 168

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 gtcctgatga cacagccctc agcgagagtg ccaaccaggc cttcctgggc ttcacatacg 240
 tggcgccgctc tgtcctggac agcatcacgg agggcttctc cttccagccc aagctgcgct 300
 caccagggcg cctcaacagt agccccggg tccccgtcag cccctcaag ttctcccctt 360
 ttgaggggtt tcggcccagc cccagcctgc cggagccac ggagctacct ctacctccac 420
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<210> 169

<211> 415

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA410383

<400> 169

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 agtgaaagaa gtttgtcaag gcaaagtgtg gaaaggatac atgtgtacat caccctttaa 180
 atgctttccc tgagtattct atgaagtctg gggatcttcg aatgctatta atcttagaca 240
 gtaaatttta taaagaaatt ctttaaaagt aggacttaat tctcctccgt agtgagtttt 300
 taagcagagg atatctacta catggattcc tttgcctctt gacagggtca agttccatct 360
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<210> 170

<211> 406

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA411860

<400> 170

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 agatggattt ctctctgtat cttcaagagt tatcagatgg tacatgctcc tcaaagccct 180
 cactctctcg aactagagca cgttccagga tcacgcggcc ttccttataat cgctggctgt 240
 cttcagtggc aaactcatag atccatccca gtttgctatt gcagtttttg cagctcacat 300
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<210> 171

<211> 73

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA411952

<400> 171

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<210> 172

<211> 289

<212> DNA
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<220>
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ggggacggca caagctcact atgacaggag cagcaaggag ccggccagag gagggggtag 180
ccacgacccc caggatcctg ggcaagaagc ggcagacaaa cttggcacag gggcctaggg 240
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<210> 173
<211> 406
<212> DNA
<213> Homo sapiens

<220>
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<400> 173
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ccccaataact ggatggagaa ggatgcccc agtcctagat ggagaaggat gccccctca 180
gtcctggatg gagacgtcat gagtaactgt cggtaggaaa catcatgttc ttcattctgc 240
ccttgctcct tgggctccaa caggaaaaac cagaaattct gtggatataa aacatggaaa 300
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<210> 174
<211> 521
<212> DNA
<213> Homo sapiens

<220>
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cggtttgagt ggaacagctg agaaacagca tatatatatt ttaacacctc aaaatagttt 180
gaaatgagcc tcacagcctt gttcaatctt cagattacaa ataacattga tagcatctcc 240
tgtggccttc agttagtagt gccagttaat attgtttctg aaaactttcc tctcaaagtg 300
ctggctataa ttttttttcc atccagtaca cataagaaaa ggatttagta acacttgggc 360
aagtaataaa ctgtagaact taaaagtag taaaggcata taccaagcat acgtgactcc 420
acacattgtc agaaaggcag tggactggct aacgagtttc tgccaagttt cagaagcaaa 480
gaatgcacta atgaaaaggg taaggcatcc aagcagagtg t 521

<210> 175
<211> 387
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA412505

<400> 175

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taacaggtag aaatgcagac agtttcatgt taagccttta gaatttcctt tcacggcagg 180
tttccaaaat aaactaactt ttctaacatt tattctcaca aaaatatatt tcaagttaga 240
ataaacaact cattggcttc agacatttaa ttgtatgtat ttaaccatac tcagataatt 300
gtcatattta gccaaatgga ggctttttct gtgacctatt tccaaattct cagattctgg 360
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<210> 176

<211> 399

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA412722

<400> 176

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tggcagataa gacacagttt tggtgggtga atgagcggct cctcccttgg tccaggaaga 180
gtccccctg cattgggtga tgaaattctg tctttctgaa ggccgggcag tgcacagcgg 240
cccttcctct ctgggaatgc ccaggctcac acagtccact tcagacacct ggtctcctgg 300
tgggtcccca gacagcgcac agtgcagtac cgggcaccgc agctgacaca ggtgtagggg 360
gatgggaagc cacagacagc acagaagggg cgctggggc                                     399
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<210> 177

<211> 427

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA416685

<400> 177

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ggccagtaca tctgtggaca atgtcgagtc ctcaggaagt ccaggaggct gctacagagg 180
aatccaaga accatgtcac atctctcaac aagtcttggg aagtccatct gactctctga 240
aacagtttgt ctctgacctc ccaggaagtg tggagggccc ctccatcca gcctgtacag 300
agggatcaga gtccaggctc cttctatagg gttgaatatc agaggggaat agcaaatgac 360
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<211> 527

<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. AA416762

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<221> unsure

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 gcgtgctggg cttgaggtgt aagctgggga gggagggcag ccgggaaggg tcagtggtcg 180
 ggacctgcaa ccctttcacc ccttctggaa gactcgtgg gcaggaggag agcctcctgg 240
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 ggcctttcca ccctaggaag aggaaggggt gccggcgtct atctgctgga gggtggtcag 360
 gcaaggctgt ggggctgggt ggccagccct tcactcgtgg acgtcccaga tctccgacag 420
 cagaggcggc agcttcttgt cctggagccg caaggannga cctgctccga gtgcacagag 480
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<210> 179

<211> 368

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA419011

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 gttatctctg agtaaagggg gtaacaattc taacaacctg gcttccttag aagtttccat 180
 tctcatatag tcaccgaagg cagcagcact caggcgtttg ctgccgtgcc tgccctttgg 240
 tttctgggac ggctcgggtc ccgtagcgcc ggcacagctg agattgccaa gccgggaaga 300
 gaccttgctc caggtgtagc tgcgttttcc ccagatcacc tgtccttttc ccctccgaca 360
 aggaagct 368

<210> 180

<211> 260

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA419546

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 ataagaaaat gttttcccaa cccacaaaaa acagaaaaaa atatattaat tttataatta 180
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<210> 181

<211> 412

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA421562

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 taaaacttgt ttttcttaaa aaatagttgt tgtaacatta aaccataacc taatcagtgt 180
 gttcactatg cttccacact agccagtctt ctcacacttc ttctggtttc aagtctcaag 240

gcctgacaga cagaagggct tggagatTTTt ttttctttac aattcagtct tcagcaactt 300
gagagctttc ttcattgttg caagcaacag agctgtatct gcaggttcgt aagcatagag 360
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<210> 182

<211> 329

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA424530

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ggcagctgat ggctctgttc ccaggcgccc aggtctacct gaacatcaga tatgcagacc 180
ctcgaattta caaccaggga cagccacggg cccacgcctg gatctccatg ggtgcacaga 240
cgggaacgta tcaggctgtc tcagatgcc a cctccttccc aggtgcttgg gtccacatgc 300
ccaacatgtt cttaatagaa atattaaca 329

<210> 183

<211> 305

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA426372

<400> 183

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cttgatcgag tacttgaggt aggtgcgccc attctgctgg tcgaaccacg gaaccttctt 180
ggcctcggtg tagatcttgg ccagcgacga gccgttgccg tcgcccagcc tacggatggg 240
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<210> 184

<211> 486

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA426374

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tcagcctcgg cttccacgga atccacgccc acctcttcat aatccttctc cagagctgcc 180
aggtcctcgc gggcctcaga gaactcccc tcttccatgc cttctccac gtaccagtgc 240
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gcgatggccg tgggtgttgc cagcatgcac acagcccgtc gcaccttggc caggtctccc 360
ccagggacca ccgtgggggg cctggtagt aatgcccacc ttaaattccag ttgggcacaa 420
tctacaaact ggatggtgcg ctggtcttga tgggtggcgat ggcgcggtga catctttcgg 480
gaccac 486

<210> 185

<211> 133
<212> DNA
<213> Homo sapiens

<220>
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<400> 185
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ggtttagaggc atc 133

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<211> 448
<212> DNA
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<220>
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atccaaagag tgggtctagtg tggtggcatt ttcacatcaagt acagtcctag aaaatgtcaa 180
gttgaacaat aagatattga ggcacattgg tccactgtgta ttctgaattc tttagtatgg 240
tcagaggaag tagttaatat atttcatggt gattccttgg ctactcttga tttttgcttt 300
gggtaacatc ctcatcctgg gaacattcat taccacttaa tagcaagata acattaaaaa 360
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<210> 187
<211> 159
<212> DNA
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<220>
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caaaggtaga gaaaatgagt aactattgag gccccgct 159

<210> 188
<211> 366
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA429539

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gaaaaattac acctggcagc tgcgtttaag ccttccccca tcgtgtactg cagagttgag 180
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tgggtcttcc atctagaact gtttacatga agataagata ctcactgttc atgaatacac 300
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<220>
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 atgattcgct attcatcaca ccccgaagat tgagatccac tgtatttaca caaagcaaag 180
 ccatgtcagc aagggactgt caacctgatt ctgagaacat aaacattcaa aatttatttt 240
 ccagtgttcc ttttttg 257

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<220>
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 cctggtaaat actggtggaa caagacagct gagaatgtat gacatctgac catgaacata 180
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 <211> 335
 <212> DNA
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<220>
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 gtaactgga gcccatagtc catttgctcc cagtgtgtca gtagccgagc ctttccttgg 300
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<210> 192
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<213> Homo sapiens

<220>

<223> Genbank Accession No. AA431470

<400> 192

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ggagctccat gagggaaacct cagagatgca caatgacagt ttagctaaaa tggcttaaaa 180
aatgtgaatt gattgtcagc tctctccata tctgctgaaa aaaggtttaa aattttttaa 240
aagtttaaaa gtgttttct 259
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<210> 193

<211> 489

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA432162

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cttcttacat tccactgaac agaaaacct cccttctact ggcatagaact tctgccaat 180
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<210> 194

<211> 367

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA432292

<400> 194

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tatctcagtg tctcaattca cactaaaata ttgaatgaga aatacaccac gttggctgat 180
tgcttgacat gtctgattta gggagacttc tacaaccact cctctctttt ttctcccagt 240
aaatactttt gactttgaca cctaccatat tggaaatgac aggtgcccga gggcaagtgc 300
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<211> 323

<212> DNA

<213> Homo sapiens

<220>

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 gaaaacctaa agaccccacc ccaggatctg gctgaagcag tcttccccca gcttcttcac 180
 tatgaccttt atacaactat ggggggtgggg tgggatcaca caggcataaa agggctggaa 240
 attccccaca cagcctccaa gggtaagaaa tgagtagctt cacatatcac aaaagtggga 300
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<210> 196
 <211> 506
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA435720

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 ccacggaatc cagccccacc tcttcataat ccttctctag agctgccagg tcttcgcggg 180
 cctcagagaa ctctccctct tccatgcctt cgcccacgta ccagtgcaca aaggcccgt 240
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 tggtgctcag catgcacacg gcccgctgca ccttggccag gtctcccccg gggaccactg 360
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<210> 197
 <211> 265
 <212> DNA
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<220>
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 tttcacaact aagccttttg ccaaaaaagt catttagcac atctttaaag atcaataaga 180
 aatggatttt ggacattaaa aagatcaagt cactgaatta aacagtagca acccccatta 240
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<210> 198
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<220>
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 aatcatggga ttacataat ggcaaaaatg tatatgtata tttataacat cctctatata 180
 caataatcag tatagacaga gaaaatgcac ttaatctttg caaatcatgc acaccacagc 240
 aataacacaa aatgtttttt ctgtaacaag cttttccact ggctcaggct tcatcctgct 300

ttccaacaat acctatcagt tttaaaagca aacatttttca attaaaacta aagaaaattg 360
 aaataccata gtgatctact aactatttta aaaacacaat tgtacacaaa atagttttac 420
 tctaaaacac tgtgact 437

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 <213> Homo sapiens

<220>
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<400> 199
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 agaaatgcct ttctatggta acaggctcta gaattatcag aagaaagaaa cccccacag 180
 atttgtaaca gtgtgttgga acctcggaat cccagcatac agagtatact tttatgttga 240
 tttttatttc tttttgctaa agttgaagta gattttttatg attgacattt tattttctga 300
 gtttgaaaat aagctttttc ctgcagagag tcttggcctt cacctacaca cccaagctaa 360
 aaatcctagg tgtaaaaaaa ctcaaaacat caatgcttat tttagcacgt caatctttga 420
 aggaatgctt aaaatttcct tac 443

<210> 200
 <211> 219
 <212> DNA
 <213> Homo sapiens

<220>
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<400> 200
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 caggcttttg tctcttcaag aatccaattc acccctgggt ttcgcttggc acacacccca 180
 ggagaacgtc gatgcacaca gctgtgtagc tgcaaacgg 219

<210> 201
 <211> 419
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA436861

<400> 201
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 ctgccaaca aatactcaga atccagggtt ttcataattc tccatgggtc aatctctcac 180
 aggtcacttt ccattcaaag gattatggag accaaataag acaggattct ttcaggatc 240
 aacccagagt ctttaggtct tctctcagcc aaggcatcga gtgaaaatac aatttatattt 300
 tcggattcct ctggaggatt aaaaagtctt tttcgcattg caatgccatg ctccctgctc 360
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<210> 202
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 <212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA443114

<400> 202

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caggtactga ataaattaaa cgctcaggct ctggccccac cccagctttc agagcccaca 180
agcagactgt acaaagtcaa taatttataa cccaaaccct gggcacagtg cctggaagtg 240
tcagggtcac ccactcccct taagtttagcc actatacatg ttcattcttct ga 292
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<210> 203

<211> 420

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA443923

<400> 203

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gcagggaag actgtagaca cagaaataaa tatccgatta taagctgtga ttagaggcat 180
gatggaaaag agcaaggctt cctgagagaa acagggcgag cacaggaaaa cctctctgag 240
acagtacat gaacttgaaa cttgaagggt aaacaggagt gggcaccccc aaaggggaaa 300
gaaggaatct tccaggcaga gagaaagaga aaagaccag gcacggtata gaccagagga 360
aatttgaggc cccaccccc cgcaccccc ccccccccc cccctcccc caggaaggcg 420
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<210> 204

<211> 213

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA446241

<400> 204

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attcacggac ctcagggcc cttggcaggg acaaacagat ggactgacta ggatgagggg 180
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<210> 205

<211> 455

<212> DNA

<213> Homo sapiens

<220>

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<400> 205

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aatgtactac tataacaaga cacagttttt atatattact ggaataatgc aaagaaaatg 180
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aattttcctt tgggtccagt aattgtcaaa ggaatgattg cagattcaga aaatgtgctt 240
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tggaaggatt agttgtatta gcaaggcatt tcagggatgg ttttggttct ttagactaag 360
taagatacat ccaatttaga ccccttcaa atccttagac aaatgggaat cacttggtaa 420
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<210> 206

<211> 451

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA446661

<400> 206

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attcagaagt aatgaaaaac caatatgata aaaacaaaaa tcctccagta aagaaggac 180
ctgtccattt gagagaaata caattgagaa cttgcaaatg agacaaggga agatggcaat 240
ttggaactgc aatagaaata actatagcag aaacaacat ttaagaagtt ttagcagcaa 300
taagtattta ttattctgaa tgaaatgtac agttgacttt tatataaaaa tcatcaaaag 360
tgctatattg gattatttta ctattaattt aacccccaac agcatctatt agctataact 420
ttaatgggtt tttctttact tctgatacat c 451

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<210> 207

<211> 209

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA447522

<400> 207

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ggaggccagc agcaggagga tggccagcca cagcccacca cagctctcac ccatgctccc 180
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<210> 208

<211> 449

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA447537

<400> 208

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gaggctcact gggcagggtg ccaacatccc tttcaagggg atacaccata aagatgacat 180
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aggcccgcag cagggcacct ctgtcggttc gatcattctg gaagttcaca aacacagagt 300
ccacatttgt cttctcttcc acgtactcca gggttgcagt caaactttcc cggttgcctt 360
gatccaaggc ctgatatggg atatccagga agagtcgacg gtcacagaga aggccgtgca 420
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<210> 209
 <211> 342
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA447707

<400> 209
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 cgccccctgc agtcctccag ttgcccagca gcagtgggac gctcagtggc acacagtggg 180
 tctctgtatg gcctcccacc tgcaagggtt tccccgggca ggcccagctg ccagaagccc 240
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<210> 210
 <211> 409
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA447977

<400> 210
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 gcagatatatc aaaattaaag agacagaaga tagacattaa cagataaggc aacttatata 180
 ttgagaatcc aaatccaata catttaaaca tttgggaaat gagggggaca aatggaagcc 240
 agatcaaatt tgtgtaaaac tattcagtat gtttcccttg cttcatgtct gagaaggctc 300
 tcccttcaat ggggatgaca aactccaat gccacacaaa tgттаacaga atactagatt 360
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<210> 211
 <211> 376
 <212> DNA
 <213> Homo sapiens

<220>
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<400> 211
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 gaagtgccac tataacattg ttttaaaaaa tcttcaaaaa tttcctatta gaacctatca 180
 ttgaattaga aaagcaagct ttgccaaatg cctgattatg cttttactgg tcctgctagc 240
 tggcatgttt caccaacttt tccctagtgt ttcctttggc actgttgagc ccacactaca 300
 aaacatgaac aagtcccaca aaaccacact atgccctctg cttccccatc atgtggggac 360
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<210> 212
 <211> 409
 <212> DNA
 <213> Homo sapiens

<220>

<223> Genbank Accession No. AA449749

<400> 212

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attacaggta agctacaatg ggtttaattt gcaaaagtta agtaagaaat gttttaaaca 180
aggcttaaag tactcaagtc aattataaaa ttatatctt ttgcctttta cttgaagaaa 240
tcatgctata gaaatgggta atgtgcttct aataaatgga agtattgtag ctggaatgtg 300
atacatgtaa cagtttaagt tcccattgaa ggtataaaat gatgaattgt tgtaagactt 360
agacactgag tctcagtctg gagctgatga agatgttgag ataacagcc 409
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<210> 213

<211> 112

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA449791

<400> 213

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ttacctaaat caaactcatg tggatccctc agcaaccaac ccctgtgcag ga 112
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<210> 214

<211> 386

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA450114

<400> 214

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aacatgtgat taacaggaag gagatgattg gtgagttttc ttcgtaacca gggtcactgt 180
ggataggaag ggctgcctt ccttcccacc atggagatcc taaaatcaca agctccagcc 240
tccatcaatg atgacagggg taccagttac ataagcagat tcatcagaag ccaaatacac 300
gcagagcatg gctatttctt ctgcagttgc gaatcttccc gtcttttgtc tcttcaggaa 360
atcattccgt gcctcttcag gatttc 386
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<210> 215

<211> 431

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA450127

<400> 215

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ccgatgggtc tcgtgggttg ggttggtttg ggggggttgt gctggggggg aggggggttca 120
aatatttatt gtattttttg tttgtggcag caactcaaca gattctgctg ctgggaaggg 180
cctcagcgtt cctgaagaga gatgtagggg acccactggg tggtgccccg gctttcttcg 240
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431

<210> 216

<211> 282

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA450324

<400> 216

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cgggcttata agtatctctt tgatctggcc aacagctctt cctctctttt ctaaaaactt 120
caaaatgccc tcatttctat tttttccctt tcagttaata atttagttta aaagtgcaca 180
cttatggttc agtaaattggg ctttgtctag tagtcacaga tgctgagtat gaatttcaat 240
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<210> 217

<211> 147

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA451836

<400> 217

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tcacagctt tatttctctat gacatggggc atgatgtcca gcagatcatt ggcaaatcca 120
aaaacctcat gacaaatgaa aattaaa 147
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<210> 218

<211> 386

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA453433

<400> 218

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cctgtgcaga ccctgccacg acagcccagc cgtccaccac ccgcctcatc tctgccaaatt 180
gtgctggggg caggagagg cagaggcccg cctcaggctt cccaagccct ggggctcacg 240
ggtaggttccc tcccttccaa gggagtggca ctgtgcccag gggagagcca ggggatgggg 300
gcagaggagg gagacagcag ctgcttcaga ccctgagcag aaaaccagag tgagcacagc 360
tggcagcacc agatgacaga tctggg 386
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<210> 219

<211> 346

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA453435

<400> 219

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acaagatggg	tggcagggga	cacttactag	tataaaaata	atacaaatat	tgtattttcc	180
tcttatctgc	cagtaaaaaat	ggcaaacagt	tttgtctttc	tgaagtttct	agtcaataac	240
caaagatgag	gagccccctaa	taaagtgcct	tgccctgtat	gctccactgt	ctatagcttt	300
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<210> 220

<211> 379

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA454908

<400> 220

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cctacagaca	accaagcact	aatcccccta	gtaccaagaa	aggggagcca	ggatttagtc	120
ctggcccagc	ccagagctgg	gacctggagc	acgatctgtt	gacttccctg	ggtaggacac	180
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cttggtctgag	gcaggcctag	cctgtggagc	gggctagggc	caggagcatt	tggtgcccct	300
ccatgttgca	atgcaaacac	cttcaccact	ggggcagtg	ggagagatgg	ctatattaat	360
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<210> 221

<211> 426

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA455001

<400> 221

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gggagtcagc	acagtccttt	ctgcagcttc	taaccaggga	ccatgaactc	aggtgcctag	180
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tgattttctaa	atattgtgaa	ggttaagaaa	gacataaatt	taggtctatg	ggctagattt	360
agcccacagt	tgccagtttc	tagcgctacc	aatgaatga	ataaacatga	gcttgcgctc	420
ctagcc						426

<210> 222

<211> 256

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA455070

<400> 222

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aattcagtg	atgtcattat	tactgctaag	gaaatcttag	cccttgctctg	ccttaaagga	180
atctttattt	aatttactgt	aattattgct	gtgtagtcac	tacttttggt	aattttctcaa	240
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<210> 223
 <211> 465
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA455381

<400> 223
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 cactccacag aggaaattaa tccttcgttg acgccaacca tgcccacttc cagctgctct 180
 gccactctcc agatctgggc tgggtcttga gagtaaaaat aacctgctaa cccaacatca 240
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 cgcgaaagtc tcttcatgag tgcacagcat gtcttgggtg acattgcaca gcagggtagg 360
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<210> 224
 <211> 433
 <212> DNA
 <213> Homo sapiens

<220>
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<400> 224
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 ttgattgggtg cacacattta tcctgcatat atattatgta tatgcacaga gagacctcac 180
 tattatgccca ttgttagggg tctttttttg gaagtacctc attacaaggc aatgtcaaag 240
 gttccagtaa ctactcaact ttgaatgaag ttcaaaatgt ccccatgcta agctgagtct 300
 gtgccatagc aaaccatgat atagcaagtc tccagaatgt gtacaaatca atactctgtt 360
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<210> 225
 <211> 355
 <212> DNA
 <213> Homo sapiens

<220>
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<400> 225
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 tgacagagga gtaagttagg gaaataaatg actcagttct tcatacatgc aaaggtaagt 180
 tagttattac aaaagttttt gctgttggtt gtgctgaaag aaaagcatat gcattttaa 240
 atttttttaa aaataaatca ctcaataggc ttaagaaaaa tacttttagtt catagttcat 300
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<210> 226
 <211> 354
 <212> DNA
 <213> Homo sapiens

<220>

<223> Genbank Accession No. AA457566

<400> 226

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gtaattatga agacaccttt acggtgagcg ttattaaaac cctactagag gttttgggtg 180
ggactcaaga gcaaggggtg gccacctgtg gacgagggtt ccctgttggt aacagaacac 240
gttgcccacc tcgcaagtat gcagcccaat cagtccccag ggtctcggtt cccgttgcg 300
ccttcccat ggccactgcg ctcatcatg agcctagggt gatcaggcct ccgg 354
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<210> 227

<211> 402

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA460651

<400> 227

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tgaaggccta aaaagatctt tggtactcat ctagaattat ttggtataac agtattttcc 180
catggaggaa gacttggatt tcaggcatta aacaacgcag aaaaaaatct caaggcatca 240
caggagagg gagataactt ttgactctgg tttcccggtt ttcaggccag gaagagcaag 300
gggagaaaaa tatttgtcca tgggaacaag taatcatgct ctaaaggaca atttcattcg 360
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<210> 228

<211> 384

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA460914

<400> 228

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tactgaaatt gtaaagtgac cattttaatg tttgatattt acttctctta ttggcacaag 180
actaataaga tagatgggtt gtattactct taaaatctaa gacttctcct ctagctcagg 240
gaaaatactg gtggaaacct gttttaccca aaagcagctt taatatctgt ttaaccagg 300
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<210> 229

<211> 391

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA461300

<400> 229

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gaaacaatta gcagtcttga agtacacatt gaatacaaat taatttgatt tcagtaggca 120
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catttcttgg aacaaactga agagtactta aaagatccca ttgaatgcat gtggcattat 180
tcctagttta cggatactgt ttgaactaaa tgaatcttgg gagagggcag ttagtaatta 240
atgcatttag aaactgatag cgctaaaata ttaaaactta tgcattccaa tgtttacatg 300
tgtatgtgtg tgtgcacatg tgattctgct ttgcctgttt tactatctta atgattatcc 360
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<210> 230

<211> 298

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA461453

<400> 230

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gggaaggacc cggcacccctc ccctgaactt cctggctact catttccagc gaagtttaat 180
ctatttttta taatcgttca gttttcaagg aaatggagga gctgtttttt cccacggagc 240
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<210> 231

<211> 420

<212> DNA

<213> Homo sapiens

<220>

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<400> 231

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acaacaggta cctgtacgtg aacagccgcg cctggcccaa cgggtgcggtg gtggccgacc 180
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tgccggagggt gaggcgggct ctgcgtgcgc accgcgctac acgcccacg acgagtgcct 300
cttcattctt ctggacgtca gcagggactt cgtggccagc ggggcggagg accggcacgg 360
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<210> 232

<211> 253

<212> DNA

<213> Homo sapiens

<220>

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cagccgcccg gccctgggtg tttcctccag gaaaggcctg gtcagtgaat gcctgcaggc 180
agcaggggtgt caggaatcac ctgcccgatg ccagcgctgc tcttgtctgg agggccagac 240
tgtcatgaag tca 253

<210> 233

<211> 346

<212> DNA
<213> Homo sapiens

<220>
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<400> 233
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gacatcagcc atgtgtgtag cttcagcttg tcttcttttt aacttatggc tgcccatctc 120
ctgcttcttt agtcttagca tgcttaggat taggtggagt cttctctttt acatcagagc 180
catctccacg ctcaactccga gtcttttcca gatccatttc ctggcaatca ccttctactt 240
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<211> 315
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA464728

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tcaatcctta aaattagtct tcaatgctat gtatttttagc tatgtaactt gtactgtgtc 180
aacagtgaac cttattagat tcacggtgtc atcgaactta tagcaagata aaaatcaatc 240
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<211> 302
<212> DNA
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<220>
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ccagaagaaa tctaaaaata gcttcctgat attttatttt aaaatatctc atttaagctg 120
cttttggttg catgccctga tctgtagaag ttaacaagga aataaaaattt ccaagtattt 180
aaaaaattta ctcatcttcc ataaagcgac ttttaatgta tcaacactta aaaatacaca 240
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ga 302

<210> 236
<211> 296
<212> DNA
<213> Homo sapiens

<220>
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 tcagaatact ggtcttgtga tataaatcag aatactgggc agggagagaa tctgggtcag 180
 agcacaggag ggcttctagg atcctgatct gaatagtggc tatatggctg tgttcaatgt 240
 aaaaattcat tacgttgtac ccttaaggat tttgcatttt gtgtgtatta cacatc 296

<210> 237

<211> 519

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA465491

<400> 237

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 ggaagctggg ccctgctccc ttgcagggga ctctgcccag ctggaagggg cagcagctcg 180
 gcaggccctg accggcaagc gggcatgcag gcagcccagc agcagctgag cttccagaat 240
 tgcacagcag tgggcctgtg gagaggctgg cgtcaactga aggagaactg gagggctgac 300
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 ggcggccagc ggcaagtggg tggcccgaag gcactgttcg ccgccggtgc cactctgcag 420
 gctgtagtgg tcgtccgcgt cactgctgct gccaacactg tccagctcac cagggccaaa 480
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<210> 238

<211> 295

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA476944

<400> 238

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 acatttccag tgtaatgaga gataaagagg aatactgcc accgaggaaa tgactttctt 180
 caccatgctg accacactgc acagcggccg atccggctgg tgaggatggg gaggtgggaa 240
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<210> 239

<211> 437

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA477767

<400> 239

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 tggcgtctgt cctggccccg cctgtcagaa gatgaacatg tatagtggct aacttaaggg 180
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 <212> DNA
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<220>
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 gagaatactg ccaggctttt cctaattctt ttggtctttg gaagtgggca gggtttctca 180
 aaccaagtgt cttccatggg ccattggaaa ggcttccctt catcagcttg gaggggcaga 240
 aagaccatgg cttcagcact tccatttttg aaagaagtaa caaaaaagtg aattaatgag 300
 caatcggaag gactcaaagc attttgtact ccacagttca tttcttcaca caaacgtcca 360
 ttactgcagc gggcatgaaa accggcagga tgtaggctc atggcctgaa gagaagtcac 420
 atcaccagcc gatgttttca tgcaaaaggc a 451

<210> 241
 <211> 378
 <212> DNA
 <213> Homo sapiens

<220>
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<400> 241
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 actttgataa ttttaaccat acataaaaata tggagtaatg gaagctatgt tacatggata 180
 ttttacaag gaaaaaaga tgacttttat aataacacat ccagatgaaa tttatcatta 240
 aattttggat ttcatatgat gttaagtatg gatataattca aaacaattac tatttataga 300
 accaatttga tattttgtca tttaaaataa tgaatactat gtaaatgagt acttataaaa 360
 atatttttag gcaaaaag 378

<210> 242
 <211> 372
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA479044

<400> 242
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 acctgttggg tcttggctgt tgggatgata attcttttgg gtgaggggaa cagccgtggg 180
 caaggctgcc tgcaccccca tccaggcaca ggaccctggg caaagtctca aaagaggtag 240
 tgtttttact ttcgcaccaa caatacaaca taagtattgg gtacaaaaga ggagatttcc 300
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<210> 243
 <211> 501
 <212> DNA
 <213> Homo sapiens

<220>
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<400> 243
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aatatgtttt tgttgttggt gttatagttt tttgcattcc ttctacacca gagaatgaag 180
accagattc ttagaaataa agccaaactg gcattcatct ggtttctcac agcatcagtt 240
tgataaaaag aatttcactg tatttttttt gtcccatgt attttgcttt ttccaatact 300
tccaattatt tgttgggtct actaactctt caagcctggg gtggctgtag gaacagtaag 360
cacagtggcg gtgttgataa ctgacgtgat gtgggctaaa cagacatgtt aagtcaaaac 420
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<210> 244
<211> 403
<212> DNA
<213> Homo sapiens

<220>
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ttaatatctc tgctcttggt ttcaacagac atactcagca tttatacttg taaatagaat 180
tgagtttcca ttgtttcgtt tcctgttttt gtttccttag gaacaagagg atgaaggaaa 240
tatggtcagc attttaataa caccataaat ccaagataat aagtaattct ataaagtgtt 300
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ttagaaacaa aaaccaaaga aacctttttc tgaaagacat tat 403

<210> 245
<211> 612
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA485965

<400> 245
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aggcacatag gctgattaat cagtggacaa cagaagcaaa ctgctgctgg gttacatgtc 180
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actctgaagg gcagagatct tctcttttagc tccacctttt cctccagcaa taattgcccc 360
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cttggaattt ggacctgaat tatgttgctt caaaaattct gcagcattct cttctgcatt 480
accaccaatt tcaccaatca atatgatggc ctctgtggca gaatcgttca aaaagatttc 540
gaggcagtca ataaaatctg ttccattaaa aggatcacct ccaatgcaa cgcacaaaga 600
ctgccccaat cc 612

<210> 246
<211> 230
<212> DNA
<213> Homo sapiens

<220>

<223> Genbank Accession No. AA486072

<400> 246

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tagaggatac tgacttcctt cctggtcaca gagccctggc aaagcaaggc aaagccagag 180
ctcagaacct agagacttcc ttttgacaaa gcagcgcctc agaagctctt 230
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<210> 247

<211> 208

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA488072

<400> 247

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ttcaattctg catgtcccag tttgccgctc cttccactga tttgcactta cactcatgac 180
gttctcttca cttgggtact ctgtgtac 208
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<210> 248

<211> 469

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA488432

<400> 248

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tgtatgaaat atagctacaa atatacataa agaattcaga tcacaaaact ctctaggaca 180
ttggctgggc gcggtggccc aagcctggta atcccagcac tttgggaggc tgaggcaggc 240
ggatcacaag gtcaggagat caagaccatc ctggctaaca cggtcaaacc ccgtctctac 300
taaaaataca aaaaattagc cggatgtggt ggcgggcgct agtagtccca gctactcggg 360
aggctgaggc aggagaatgg cgtgaacctg ggaggcagag cttgcagtga gccgagaccg 420
cgccactgca ctccagcctg ggcaacagag caagattctg tctcaaaaa 469
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<210> 249

<211> 231

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA490341

<400> 249

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caacgtgcgt gcacgctgag tgaggctctg gcatgggaaa gttccgggcg acggtgggac 180
aagaccgagt ctcaatggcc tggatcggtg ttggggggga gaaggccact c 231
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<210> 250

<211> 505
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<213> Homo sapiens

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<223> Genbank Accession No. AA490667

<400> 250

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aaaaaaaaaa ccaacaacaa caaaaaacac cgcctttttg aaagagaaat gacagacaca 180
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ccctccagct ccatccagtg ctagccctt tctccttcca ccccatgggc ttgcttaaat 480
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<210> 251

<211> 407

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA495865

<400> 251

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acctccactc caacagagtg ctgagtttaa aagttgacct gtgtttgtaa tttcactttc 360
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<210> 252

<211> 520

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA496247

<400> 252

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tagggataaa aagaagaatg agatgaacac attacaatat gatgtaaacc actggtatgg 180
ttttcacaaa agtggaaaag atttaatcag tgaataaatg ctacaaattt gccaatcgat 240
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taaattatta tgggtataact ttggatactg ttatatattt 520
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<210> 253

<211> 406

<212> DNA
<213> Homo sapiens

<220>

<223> Genbank Accession No. AA504805

<400> 253

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ccacaacagc ctgtcagtggt acgtgtcgta gattgtgtag ccgctcatgt cctctttcag 360
tgccctggaag tcgtgcttca ggcatgacc caccaccage ttgcct 406
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<210> 254

<211> 423

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA505136

<400> 254

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aaaagggggg agaaataaat acaggattgg gtcattgta ataaaaatagt catctctaca 180
tatactttga tttttaactc ttcatgcacc tttttttttt tcaatttttag ctgaatggac 240
accaagctag gcacatagtg aaaaatcctc tgtacaagggt tacaatatgta atgacaagtt 300
tgtccatttc aaaataagat ttgtacacaa cacataaaac ctttcattta gatcttgtgt 360
ttataaccta acaaatgaca ttccaggcaa ctttacaaaa gtttaactag cctacatttt 420
gac 423
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<210> 255

<211> 395

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA598695

<400> 255

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<210> 256

<211> 369

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA598939

<400> 256

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tgaaaactaa aatttccagc ccttgactat ctgtagttcc aaacatcaaa ggaaaatatt 180
ggaacaattt atctatgtac agagagaggc aactcatggg taccataagc aaaataacct 240
gagggggaac atttgatatt acaagaagtg gtgagagttt acaagtcttg cattgctttc 300
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<210> 257

<211> 408

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA598982

<400> 257

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ataactgcct tgactgctgt gtggacaaag attccaagga tgtacttttg ctccatggga 180
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<210> 258

<211> 346

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA598991

<400> 258

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tcttaagtca cagtgtattc ttcaaggcct gggccaaaaa aagagacttc gagacaagat 180
gacgtcagat tacatggatc gctaataaac cgagctggac tagatccgac ttgatctaca 240
cacatgccac tactgctcag ggccactgcg ccacgctggc caaggggtct gcactcacgg 300
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<210> 259

<211> 428

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA599120

<400> 259

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gttgctctcc gagccagtgt tactatcact ggttccttcc tctgccatac tgctgacccc 180
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ctcctgcccc ctctccttgt cctcaggagt agacgtgcct tcttcacccat tctgttggt 240
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cttctcctcg cctttgttag ctgcttggtc ttcctcagga acgatgctgc tctgactgcg 360
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tgccctgtg 428

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<210> 260

<211> 546

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA599216

<400> 260

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cccggggggac ccccttctc tttgtgatgc ccagaacaa tattgatttg attatagaaa 180
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atggagtgcc acggctcccc actagtggtc atcagccagg gcaagatcgt ctttgaagac 480
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<210> 261

<211> 324

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA599331

<400> 261

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tgaccagaa gcggtgtatt gcgcctcagc atggaggagg acgtgaaggc gtacggagtc 180
tgggagtagt acaccacgta ggtagggttg tactgggttg gctttgtgta ctgtgttccc 240
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<210> 262

<211> 271

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA599365

<400> 262

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gttaccatac tcaaagttaa gatagggaga ggtagaagaa atagctgaga acttgaaaag 180
atgtactgtt attgtcaaca aaccaatgtc ttctcccttc ataaaattgt gtttagggaa 240
tattaacaat taagcttgta tacaatagta a 271

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<210> 263
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 <212> DNA
 <213> Homo sapiens

<220>
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<400> 263
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 gttcgcgttc atgctcttgc cgctgccgct gagcacgatg taggggggtct tctgagcctt 180
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 <212> DNA
 <213> Homo sapiens

<220>
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 acacttacag cagacaaaaa ctgccccacc cctaataccc tccttgaatg gaaacaaaat 180
 aatatataat taataaatac aaaacaaatc actgcacagc ccttaa 226

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 <212> DNA
 <213> Homo sapiens

<220>
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 ggtagatgc aacctagaaa tcttatataa gatgcaacta catattgtat gatcattcct 180
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<210> 266
 <211> 281
 <212> DNA
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<220>
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ccaaaataca ggtatgtttt cattctctat gccctaaac accctccctg cagctatgca 180
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<210> 267
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<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. AA609027

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aagaaaaact aatgtgcttg tttgatatac gcacagatca gtctctaagc agaagtgaag 180
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gaggaacaaa atgtctgaca gcaggagccg gagcccaggg aggaaaccag atggaaaggg 360
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<212> DNA
<213> Homo sapiens

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<220>
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tggtctttac ctaggctgtg ataattaggt tttgatctat tgtgacatta atgatcaca 360
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<211> 387
<212> DNA
<213> Homo sapiens

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<220>
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gctcctgcag gagctccatc tgggtgtgga ctgcctggca gatgaggctc tccaactcct 360
gtctctccag gacctggccg ggctgctg 387

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<212> DNA
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<220>
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tcagcatatg gttcaaacia taacaaatca tcaggttaac tttcagtga tatacactag 240
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<210> 271
<211> 424
<212> DNA
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<211> 377
<212> DNA
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<210> 273
<211> 487
<212> DNA
<213> Homo sapiens

<220>

<223> Genbank Accession No. AA620289

<400> 273

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<210> 274

<211> 303

<212> DNA

<213> Homo sapiens

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<400> 274

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<212> DNA

<213> Homo sapiens

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<400> 275

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<213> Homo sapiens

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<400> 276

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<210> 277

<211> 361

<212> DNA

<213> Homo sapiens

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<210> 278

<211> 372

<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<213> Homo sapiens

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<223> Genbank Accession No. AF001294

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<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. AF141349

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<211> 330

<212> DNA

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<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. D10522

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<211> 332

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<213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. D13628

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<213> Homo sapiens

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<220>
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<212> DNA

<213> Homo sapiens

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<212> DNA
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<212> DNA
<213> Homo sapiens

<220>
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<211> 3233

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. D50928

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<211> 404

<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. D51060

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<211> 283

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<212> DNA
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<211> 482
<212> DNA
<213> Homo sapiens

<220>
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<212> DNA
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<211> 313
<212> DNA
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<212> DNA
<213> Homo sapiens

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<211> 493

<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. D82534

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<212> DNA

<213> Homo sapiens

<220>

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gttgagagtt caggctgtcc agctttggat tgtccagagt ctcacatcagat aaccttgtct 1260
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cgtgctaatt gcattaacct gcctggatgg taccactgtg agtgcagaga tggctaccat 1860
gacaatggga tgttttcacc aagtggagaa tcgtgtgaag atattgatga gtgtgggacc 1920
gggaggcaca gctgtgccaa tgataccatt tgcttcaatt tggatggcgg atatgattgt 1980
cgatgtcctc atggaaagaa ttgcacaggg gactgcatcc atgatggaaa agttaagcac 2040
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gttgattgtt ggcccctgcc ttgccagat gtggagtgtg aattcagcat tctcccagag 2340
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aaacatggca ctgagtgtac tctctgccag tgcaagaatg gccacatctg ttgctcagtg 2520
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gtacagtaca ctctgaaaag aaatctgaaa caagttattg taatgataaa aataatgcac 3060
aggcatgggt acttaatat ttctaacagg aaaagtcatc cctatttcct tgttttactg 3120
cacttaatat tatttggttg aatttgttca gtataagctc gttcttgtgc aaaattaaat 3180
aatattttct cttacctt

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<210> 316

<211> 217

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. F01920

<220>

<221> unsure

<222> (1)..(217)

<223> n = a or c or g or t

<400> 316

aacagggata ggcaaacagc tctttattcc aactccatta gtgatatgaa agaaagacaa 60

tccaagtcag taatggaaat atgcaagang ttcaatttag gtgaggtgaa tttttgcatg 120
 tgctttaacg gttgaggttt agtgtatatt gtacttttta cccttaaggc caagtaattg 180
 gcaactgtga accattaatg taaaatattg ataataa 217

<210> 317
 <211> 205
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. F02204

<400> 317
 caggagaagc ctgtttatta ggcaggagaa gcagcagggc agccaggctc ccctcccagc 60
 caccagctgg ccaaattgtcc tcccttaact caggggtacc caaggctcca tggccatgtg 120
 accagaggcg tgtaccctca agaggcggcc cctcagccct gggcagccca gccactgggt 180
 ctcgcccttc aggggcctgc gcccc 205

<210> 318
 <211> 298
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. F02245

<400> 318
 gggggtggca gtgcacttta ttaacaaaca aaacagtacc atacaggcaa aatcttactt 60
 cagtggcaaa gcacacacat aggtatactc caacgtgtag cactggggca aacttcagac 120
 atggaacatt aggcaccaag ttcacaatca cactaaacat agttcacaat ctttcaatcc 180
 atactcttca gtggaggatg aggccttatt taacagttaa ctgggacaga cagatgaagt 240
 tttaaaatct aattcttggc ctaactgtgg agtggggctg actcagcctt cagaactg 298

<210> 319
 <211> 212
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. F02333

<400> 319
 gcattaacag taaccccaag aaaggcatca gggttctgga gtgggttgttt gagtgacaca 60
 gcacaaggcc ttgatttcat catgcttttg ctgtggatgt agtgtagctt gctgaacagg 120
 tatggaagct gtctttgctg ttaagtactt ctcccgtttg tttatcaacc tgcagctaac 180
 aggatgtctg cttttttaca ggtttatttc ac 212

<210> 320
 <211> 221
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. F02470

<400> 320

gtttcacatg agtgaaaaaa ttaacagctg ccctcatttc tgaaaacaaa aaactataaa 60
 caatcactgt tgctcccaat gggaccgttg gacataagcc ctgaggcttt ggggtcaacg 120
 ggctagactc tagaagccca ggaccccgcc aaggatcatgt ctgcatactt ggggcagggc 180
 gagctgttga accatcgcat ttctctgctg cttctttaca t 221

<210> 321
 <211> 312
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. F02992

<220>
 <221> unsure
 <222> (1)..(312)
 <223> n = a or c or g or t

<400> 321
 aagaatttta gtttttttct tccccagac tttttttttt tttttttttt tttttttaag 60
 gaaaaaaacc cccgccaat ctgaaccgctg ttgtagctcg gtccccgcct cctcagcggg 120
 ctgtcgcgtg caacaaacct ccccatcat cttagaaaat aattatagag cgcggcgccc 180
 cgccctcgnt cctgccagtg ggcgnttttg tcctattttt tggattattt cattacgaag 240
 cacgtgaatg aatctagccc ccacaccttc aagaaagaaa ctgcgcggact ggggttgaaa 300
 agcccagggtg gg 312

<210> 322
 <211> 202
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. F03254

<220>
 <221> unsure
 <222> (1)..(202)
 <223> n = a or c or g or t

<400> 322
 attcatggtc gantattatt tattgtcaga aaggtagcgc attcacacca atatcagaca 60
 aaatagattt taactaaaaa attatttcgn gacaaaaata acaatatatg tnaataaaag 120
 gctcaattaa aaatgtataa caattataaa cacatacaca tcaaacaaca gtnccccaaa 180
 atacataaag caaacattga ca 202

<210> 323
 <211> 305
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. F03969

<220>
 <221> unsure
 <222> (1)..(305)

<223> n = a or c or g or t

<400> 323

```
gaactttggg aaaattattt atttctcccc acgggggttca gacaagtaat ttcacatttc 60
attgtaagtc aagggttaaga aaacattttt tgtacatcca tcactaatag agatcacagt 120
atgtcaatga aatattttaa tacactgtac agagattgct ttttaatgga tttctataag 180
tagtattaat aggaaaaagc atataataca atctactctg tatctaagag ctttaattta 240
ttcaaatatt ggaagaaatt catctnctga attttnctta tttaaaaagc attatgagaa 300
ctgat 305
```

<210> 324

<211> 335

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. F04112

<400> 324

```
aatagagatg ggggatctca tcgtcaccca ggttggaatg cagtgatacc atcacagctc 60
gctgcagcct ccacctcctg ggatcaaccc ctacctcatt ctctgactg ggactacagg 120
cactcaccac cacactgggc taattaaaaa aaaaaattct tttttgtagg gaagtgggtc 180
tgctatgtca cccagggttg tctagaactc ctgacctcaa gtcacccgct cgcattatcc 240
tcccaaagtg ctgagattac agacgtgagc cactgcactt ggcctattta gggcttctaa 300
ttcactttcc ttttccttct tgtctaattc ttgtg 335
```

<210> 325

<211> 178

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. F04492

<400> 325

```
gtagagacgg agccatccat gtttcccagg ctggtctcga actcctgggc tcaagcaatc 60
ctgccgcatt ggcctctcaa agtgctgcga ttacagggtg gagccattgt gcctggccaa 120
aatgtgtatt tttaatatgc tgctgagttg actcttgtat gatcaggagg agcatttg 178
```

<210> 326

<211> 211

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. F04816

<220>

<221> unsure

<222> (1) .. (211)

<223> n = a or c or g or t

<400> 326

```
gatgtaacat ttgtnatttt attggaaaaa gctgggtatta acatatttat agttttattc 60
aacaattggg taatttgtga gacaccaaag aaaaaaagaa tgcacctatg agttacagag 120
tccaaactga tcagggtgta caacttgacc accatgtntc ccacaccacc acccccacca 180
```

ccaccaccac caacagcttc gtcctcagag a

211

<210> 327

<211> 276

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. F09281

<220>

<221> unsure

<222> (1) .. (276)

<223> n = a or c or g or t

<400> 327

actgttttaa tataattgaa gtttttnata tgatgaagtg ctccataatt taaatgtaaa 60
aaaccaatag gaaatatatg aaataaaata aaattatacg taaaagtgac aatgcctcta 120
ttagatttaa cagtatctta caatagaata agttgaaacc tacaaaatgg aagaaagttt 180
aaaattaggc agatattatc ancctggtga agaataaata catatgtcaa taagcattta 240
atgtatttgg tcttagattt tacatgaaat aataaa 276

<210> 328

<211> 293

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. F09315

<400> 328

acagaaattg acctttatatt gttgtactaa agcctgttta acttttgata caaagtaaca 60
ttttagtaca gaaaatccca gtctgtcagc tcagtacctg tctgtgcaca ctgtaccatc 120
tcagtccac tctgcctgta acttagaaaa cagcccctac cccagaggt ctgagagtta 180
ataccttgag aatagtctac agtttttcat agtttgtctg agctagaaaa cttgtacctg 240
taaaacaaag gacagcattg aggactgaaa cttgtctctt ttttgaacaa ctg 293

<210> 329

<211> 214

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. F09684

<400> 329

gctttacata aacttataag gattttttat ttaaaggatt taaaaatata acacagtcaa 60
tataaacatg tactgggaat tataaaccat tctttcttct aagcactgga tgagatacta 120
aaaacatata gtatcttacc aatagccatt aaaataggct aaaatgaaaa agaaaccgtt 180
gtaacaaggc tactaatccc ccaactttca atgc 214

<210> 330

<211> 332

<212> DNA

<213> Homo sapiens

<220>
<223> Genbank Accession No. F09748

<400> 330
gaatgaaaga atccagcaga tatattattaa gcaagatgaa agtgaaatta caaacacagg 60
tcaactttta aactcagcac tctgttggag tggaggtgca cggtccttca tcataggcag 120
cctatgagag atgcatctta ggaagggagc ttctgctgct cagaaatcaa agctccatcg 180
gaggtgtcct actggaggca tcagacaaca agctaaatga cgtaggggt acacaacaca 240
aaggggaaag ttgacaacaa ttcaggggct ttgagtagtc aagacaatta gcttagtact 300
tcaggtcaat aaatgctaca atttatgggc aa 332

<210> 331
<211> 247
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. F10078

<220>
<221> unsure
<222> (1) .. (247)
<223> n = a or c or g or t

<400> 331
catgccttga ggaaagctat ttattttccaa gatatagact gtacttttaa gacaggactt 60
ttcagaagca ggaaatttta gttgttgcca gagaggtgtg tcaaggacac agtgaaagga 120
gccatgcgga catgggggtg aaggctttnt ccaacactgt tacaacactt ttgtaaatga 180
gcaaaacatc tttaaaaatc cttataaatt ctttataata tggtacacat ttagagacaa 240
tatttac 247

<210> 332
<211> 243
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. F13763

<400> 332
tttttttttt actttaattt ttcttttatt ttcactgaca gaaaaatttt ctggagagta 60
caatcaagat agtgtattat tagaaataac attaatagaa gcttggtcag aaatgataat 120
agtcataata agcatctctc tcaccaaggc attccacaca gagagatcac agcacaataa 180
ataaaggatt tctcatttgc cacacaacaa ataaaacaat tgcagtaaca aaaatatgac 240
ttt 243

<210> 333
<211> 415
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. H01824

<220>
<221> unsure

<222> (1)..(415)

<223> n = a or c or g or t

<400> 333

```
attcacaana annnntttta ttattcttaa cagtactcac tttaaaggaa taagaggata 60
gcatacathtt ttacagaca atatataaat gttgtacata attaacaata acttagttca 120
ctaatacaaaa ataaaacaag ccaataaaaa cataaaaaca gaaaatactg ccgnttcttt 180
ttcttatgcy ggacactagn taaaaataa gttacttctg ggccgtgggt gctccctgca 240
ggcgactgcc cgcccatatt gcacttgggt cactaacatc aggcacaatc ctccctccggg 300
ggccggggcc ccttcancag ggcccaccac accccgccgt tcaccggcat tacaggaatc 360
ttaggcttgg gggacagggt tattattaca gctgttacct tggggggngg ggttc 415
```

<210> 334

<211> 309

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. H02308

<220>

<221> unsure

<222> (1)..(309)

<223> n = a or c or g or t

<400> 334

```
tgatagcaca ttttagttht taataaaatc tgctttttac ttatatthaa ataaattgcc 60
cagttactga atcagaagca tttcttacia agcaaacaaa ataagcatcc cttctatgtt 120
aataacatgt taatagtatg ttggcaagtt gatttagaac aacttgccaa caatacaaac 180
agaaaaaagg agtgggtcaa agaaatctag ttgggttht ttttcaatag atcactgt 240
ctgttgaaaa aggaataaat aattatggag cctatcta atataactca atagnttgaa 300
attattgag 309
```

<210> 335

<211> 277

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. H03387

<220>

<221> unsure

<222> (1)..(277)

<223> n = a or c or g or t

<400> 335

```
acgcaagtta gannanttat tatgataact ctgcaatctt ttcagccact ctttaagggt 60
cctgggcatc cattctgggc acagtgtgac atttacctga acagagagga gantggcact 120
agaagatgag ggagatttgg tgcctaaaaa ttactacaaa caggcagggt gcagtggctc 180
acgcatgtaa tcccagcact ttgggaggcc gaggtgggtg catcacgagg tcaggagttt 240
gagatctgcc tggccaacat ggtgaaaccc catctct 277
```

<210> 336

<211> 372

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. H05084

<220>

<221> unsure

<222> (1) .. (372)

<223> n = a or c or g or t

<400> 336

```
tttttttttt ttcacagtga gcattaaatt attattccat acagccctgg ccctggccct 60
tcttgaggga gtgggggttn tggggntgac ccagcaggga tcctgccaga tgatgtccac 120
atgagaaggc aggtgtccaa cagcttcagc ttcacccagt gccccccaga caaataatga 180
caagtccagg gtcttctgat gtgtcaggcc agcactcccc ttgctgatgg gaaaaccggg 240
gctcggccag cccactgca tcccctcaca tgatgatacg aggctctngc actgactcgc 300
caatagactt gtggggcagc angctggctc cgttgaggta ggagctcatc attactatt 360
gacgtcctnc ac 372
```

<210> 337

<211> 353

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. H05625

<220>

<221> unsure

<222> (1) .. (353)

<223> n = a or c or g or t

<400> 337

```
tttttttttt tttttttttt gcttcacaaa tgtcaatttt attgacacta gtgcacaact 60
aaatacaata attgcaaagg aagtggacg tgttcaaaca gaaatgggtga caatgagtta 120
gaactgcagt tntttcaagg tactacacta ttatttataa aaaaaatcac aanagaaaa 180
atgttatcac tacaagtagg gatttaggaa gngagnaaat tctgggcagt ctgtctagna 240
gggttaaaac atttcatggc atttgtgagt tgctgttgga gagttgtttt ttatttgtcc 300
accgtaatct gggcaacatc cgggggctta ccttcagctc tcggcactgt gcg 353
```

<210> 338

<211> 501

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. H05704

<220>

<221> unsure

<222> (1) .. (501)

<223> n = a or c or g or t

<400> 338

```
tttttttttc cttctgtagt cgtctttatt tagagcagaa ttcagactca gctgggtatcc 60
cccagggcaa ccccaggatg ggganagggc tgggtctgtcc ccaccactt ctccaggatc 120
```

```

ctcccagccc ccaggctgnc ttttccctcc aactgtcagc tgcttagctg ctcatctggg 180
gattggagct ggagcatctg tcaagggtgt ctccttgaca aacagcttcc tctttggaaa 240
tggcttctact caggtcctgc aggtcatcga gcaggacaga gagggacccg gggaaggaag 300
acagcagatg agcaccagac aaggggaaggt gctcgtgggt acagagggaa acaggggttg 360
gcacagggaa atgaggggaat ggggagagag ggaggctctt tgggtccaag ctggggcatc 420
ncttaaaaga ggtttaaggg tntcgaagga ccncagagaa caacattctt cntgcgagat 480
ttttaagagg gagttttctn a 501

```

<210> 339
 <211> 465
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. H08548

<220>
 <221> unsure
 <222> (1)..(465)
 <223> n = a or c or g or t

```

<400> 339
ttttttttca caaatattgg cttgggttttt atttctatgc ttataaaaaa aatatgaagc 60
ttctttgtgt ggactgaagg ggtgttagcc tgtggatggt ggtcttcggt gcctgtaccc 120
cagtggctgt ttacattcca ggnccctgct aaataaagna ggctccactg ccagctgtct 180
gtacactttt tcttggggga agagttcttg tcttcagttt actgcagtag ggttcctggc 240
tctgttacat gctcatgtgt tccggaagaa catatgaaat atcatccac ggatgacgat 300
acagcccctg cttcagcctn ttctgatcaa gatagtntcc aatgaacccc atactccttc 360
ccagcacaaa gatgccattg agggctccaa tgtcaatatt attgcatcag cttectcccg 420
agtaaaggga cccacagttt ttttaaggatg ttttacaatt gcgat 465

```

<210> 340
 <211> 313
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. H15143

```

<400> 340
tttttttttt tgtgggtcac agttgagggt ttattgccag tgtaggaag aatgggggggt 60
ctgggtggcc aggggtcttg ggaggaattc caaatgagca ctgcagggcc tgtgagtggg 120
gaggagagct gctgcccccc tgccaccacag gagggcccag ggctgatgcc accatatacct 180
gactgctagt ggtgccttaa aaggtggcct cccacacagga ggggagcctt gggggccccc 240
aggagtcagc cctcaccaac aagccctctc tcaagggggc caggggcttt tattcctcat 300
gggacaggct ggg 313

```

<210> 341
 <211> 295
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. H16171

<220>

<221> unsure
<222> (1) .. (295)
<223> n = a or c or g or t

<400> 341
tttttttttt ttttttttaa ttaaaccacc ntatganttt attaaatcca gaactgtgtt 60
aaagggcggc ggtctncgag ggggagtntg gtagggggac gagggacaag atgatgaacg 120
gccgtgggca tcccntaggg ngacccggnc cccccccgcc caaccacccc cctcngcaac 180
gctgcatcag cttcaccatg attcccagtg gtgctgggct gggcagggcg agatggctgg 240
gaaacacaga gggacagagg gacagacaga cgccttccac aaacaaaccc tggnc 295

<210> 342
<211> 389
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. H16676

<400> 342
ttttttttta gttttgtggt actacatatg ttttattaaa aattcaaact ttttttcaga 60
tcgaagcata atttatcttc cattaacaaa aacgaagatc ttaaatttga cacgattaca 120
attaaaatgc tgaaaggagt tatgaggcat ttaaatcatt cttcaattag aatgtttgca 180
gcatatttct cagaggctga cctggaacac attacctttg ttggcaggca tcaaaggcag 240
gataaatcct gtggctggaa atcaattgtg agtcccatta ggatgacttt ctaggcacac 300
atgcataggg tcttgcaactg tatccgttct acttctagga aggttgctgt ctggaaggct 360
ctttcccctg ggcgagggtca ctttcccgg 389

<210> 343
<211> 471
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. H16768

<220>
<221> unsure
<222> (1) .. (471)
<223> n = a or c or g or t

<400> 343
ttttttttta atttataaaa atgaaaagtt tatttgtctc atggtttctga caggctgtac 60
aagaaacatg gcaccaacat ctatttctgg tgagggcttt aggctgcttc cactcatggg 120
agaaggcaaa aaggagctgg catgtgcaga gatcacgtag ncaagagagg atacaaggag 180
atttccaggn ctctttttta cagtcagctc tcatgagaag taatagagga agnaagtcac 240
ttactactga gagagtggct ccaagccatt ncataaggaa tcaaccacca tgacacacta 300
gggcctcacc tccaaaactg gggaatcaca tttcaacatg aggatttggg aaggggtcaaa 360
tatccaaact ataggcattc tacccttgga acgcctaagt atcctgtcct tctcacaagg 420
caaattacat tattttatcc ccattagttt cccgaaaact taacttgttt t 471

<210> 344
<211> 354
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. H17333

<220>
<221> unsure
<222> (1) .. (354)
<223> n = a or c or g or t

<400> 344
tttttttttta attgttaata ttgctaattt gtacaatggg taatgatctt ataaaatagt 60
tgtatgaaag caccaaccac cttagaaagt ctgaccagca ttcatatcta ctttccagac 120
cctcatccct cctccccact cacctgactc tgctcggctc attcatgggc tttcctgtgc 180
tctgccattg ctcagggtgag tgagcagttc gcccggcaca ttgaccaggc agatccaggg 240
cancgatcg gtggagccca ggaaatggag aggctggcac agctgcagca atgcctgnaa 300
gctgtcctga ttttctccgg cttngagata gccaccactt ttgagcatta ttac 354

<210> 345
<211> 486
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. H17550

<220>
<221> unsure
<222> (1) .. (486)
<223> n = a or c or g or t

<400> 345
tttttttttat ttttaaaaat ctatttattt atcaaaacag tattggcaca gtaattctca 60
tattatcatc aaataataaa attgctactt tctgtactca attctttaga atcctagaaa 120
ttgcaaattgc attcaattta acaatattgt aaataacaat acaaaagaaa gaactctgca 180
tatttatgga aacattgttg atggtacagt tctactgaaa ctcatacaca tttcactatt 240
taattttacat atggncttgt tgaaaaaaac cagtatgttt tactttttca atttccttat 300
ggctaaaata catgtaattc taaagggata tctcttgggt gttataaaaa ccaggaggagg 360
tccaccacca ggtcaagggt ggngtcaagg ntacttcaaa gggtccctgg aatggatccg 420
gaaaacaaat ttttaaccna aaatgtggta ccgntttggg ggggcccttc ncgggcccc 480
caacgg 486

<210> 346
<211> 371
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. H18947

<220>
<221> unsure
<222> (1) .. (371)
<223> n = a or c or g or t

<400> 346
tttttttttt ctttttttag gnttcatgtt tgttttattt aaagtctggg tgggtacaga 60
aaacacacac aacttaaca ggttaaaata tccaaataaa atttactgca actttttag 120

```

aattttatatt gtgctacaag acacgttgca taagaaacta tttaaagccc ctgaggaaaa 180
aatatccatg gtttaaggtg caactggttt tgtttcttct ttgggggaaaa ggtgatagat 240
ggtctctggg agaaattatg ggggtggagtt gagaagcaca atcgaagggtt atatggtggg 300
atgattggcg aattgtgtgt cctgggttct tggcagcatt aaaatagcct aatgttttgt 360
tctttttttc a 371

```

```

<210> 347
<211> 187
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. H21814

```

```

<220>
<221> unsure
<222> (1) .. (187)
<223> n = a or c or g or t

```

```

<400> 347
ttattgaggg tttattgagt gcagggagaa gggctcttgat gccttggggg gggaggagag 60
accctcccc gggatcctgc agtctctagt ctcccgtggg ggggggtgag ggatgagaac 120
ccatgaacat tctgtagggg ccactntctt ctccacgggtg ctcccttcat gtcgtgacct 180
gggcagc 187

```

```

<210> 348
<211> 432
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. H22453

```

```

<220>
<221> unsure
<222> (1) .. (432)
<223> n = a or c or g or t

```

```

<400> 348
ttctcttggt gctggagttg taaaaatcaa tgtcccattg ctgagatcga agctccctgt 60
gtctctgggg ggctcagcag ggacgatggc ctccagagtg gacctctgag aaattgcaga 120
ggcatcagag ctgtgggctc agcatatgag gtcccaggg gccatagacc ccctcctcct 180
gggaagagtg ctctgcaga gcttatttgc aatctcctgg gagtcccaga ctcaccaaag 240
gattcagatc ctcttctttt tgctcctac atagagcaca ttatagacct gaaacaggaa 300
tcagaattcc agactccctt agtgaggaga caaagtgtta ggtcttagct ttttcccttc 360
taaattaagg gtcctccctg ggattcaggt tgctgatag cttatnctg aaantggtng 420
gagataggga aa 432

```

```

<210> 349
<211> 233
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. H26288

```

<400> 349
 aaaaacacca gtttgaaaca cattactgaa agtgagtgta cacaataaat agaaaatagg 60
 gatgcatagt gctggagaca ttcaaccaac ttatcttcat ctgttgccta ctgttgtaga 120
 caaaatttga cacacaatta gcattactga aagagcagcc aaactacctc ggagaaagtg 180
 ggcaaactac tggaaaagta gcttaaagct ctgggaccac tcaccaaaaa taa 233

<210> 350
 <211> 290
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. H27180

<220>
 <221> unsure
 <222> (1)..(290)
 <223> n = a or c or g or t

<400> 350
 aggnntttatt ttggaccaaa aaaaaaacca caattgtttt ctagctggaa gantgggcaa 60
 ggggggtccc agacagtaaa ctccccacg ggtgggttga gcctcaggtg gggggctctc 120
 tgttgctctgt gcttccccac acagcagcct ccctcctggn gtctgtggca gccacgggag 180
 gggcagacta ggaggagctg ccacagtntt tcacttgggc aggaagtcag aggactcaga 240
 caccagcttc ccatcgcggg tntcgatctt ctnanaacc acggccctgg 290

<210> 351
 <211> 292
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. H27675

<220>
 <221> unsure
 <222> (1)..(292)
 <223> n = a or c or g or t

<400> 351
 gtgtctccat ggcgagtggg agcgtgaaga tgaccagctt tgcggagagg aagctccaga 60
 gactcaacag ctgtgagacc aagtccagca ccagcagctc ccagaagacc acgccagatg 120
 cgtctgagag ctgcccagcc cctctgacga cgtggaggca gaagagggag cagagtccga 180
 gccagcatgg caaaggntcc cgccagcctc ctggcatctg agctggtaca gtggcacatg 240
 cantcgaagg agaagcgcag ggccatcgag gccaggaaga agaagatgga gg 292

<210> 352
 <211> 327
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. H40424

<220>
 <221> unsure

<222> (1)..(327)
<223> n = a or c or g or t

<400> 352
ctgtatantt tnncttnttt tttctcttgt gatttggcac ttaaggctta agcgcnaaaa 60
aaaaaggcat ctactgacaa aatatgggac ttgtctgtna tgcattggtaa gtgggctata 120
aaatccaggg aggggggttc aagccagaag aagctactga caaattgact tgccttatg 180
ttaggtgggg ttatgagggg gagagggagg gcacattctg aggtgctggg ggaaaggggt 240
tgagcttaac cttgttaatg tagggcctgt ggggaatggg atgggtaggg agaagagggt 300
atgggatgtg ggtgcagggt aggggct 327

<210> 353
<211> 448
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. H44631

<220>
<221> unsure
<222> (1)..(448)
<223> n = a or c or g or t

<400> 353
actcagcatn cnttttattt tncatctga catttctaac aaaacgccag ggagacggag 60
ttaaaaagaa tccacccac gaaaggtaaa caaaggagac cctcagaaac tccctggcaa 120
ggatgttccc ctccccagat tgggccagc ttcaccagca actgggtctc agactcagcc 180
ttatgccttt ccactgacac cccccaccc tccacantct cgtgattcag accagggaa 240
ttctcgggct gattgtgtcc gtgtgtctga gggaggggca cgctggaacc tgggaaccta 300
ctgggcacct ctaatgcaga tgagaaaaac ttgagaatgt gaaaggagat cagtccccgn 360
tcccacccga aggtgcagag acgcgggaca ttaaccagca gnacgcgggg gtgaaggaa 420
tcagggcaat ttctcccant gccagggg 448

<210> 354
<211> 346
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. H48793

<220>
<221> unsure
<222> (1)..(346)
<223> n = a or c or g or t

<400> 354
gatttaggag attccaagt ataccttta ttcactactc tatgtcctta ttaataaata 60
catatttaaa aaaacctata caatatagt tatttacagc atggaagagc agagactctg 120
aagccagact gcctgagttc aaatcctgac acttctactc aaatatgtgt gactgacttt 180
gggcaattta ctactcttt ctgtgtttct atttactcgt ctacaacaat aatttctacc 240
tcatcaaatt aaattaaaaa aaaaacggct taaatagggt aacatttgta aataggctta 300
ggaaaacact acatttaaaa aaataancat tcctaaccac ccttcc 346

<210> 355

<211> 458
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. H49440

<220>
<221> unsure
<222> (1)..(458)
<223> n = a or c or g or t

<400> 355
ggagtttcac catgttggcc aggctggtct caaactcctg acctcagggtg atccacctgc 60
ctcagcctcc caaagtgctg ggattacagg catgagtcac tgctcccagc cattagaaag 120
attgttaatc ctatgaactc ccttttgtag gagagaaagg gccaatctgt aggggtagcc 180
ctgtccagggt aaagttgttt tcagcctcat gtctactgtt aggtgaggga gtcacagcca 240
gacagagagt attgctggag ggtgagagaa ttgtggagac caactaccac atagcaagag 300
cccagctctt gggagcattg agatgtaagc tcagggttac acagttccaa atcttgggga 360
aggggctttt tcagacagac tgtttgcttt ctgctgagat taaggaattg catcantctg 420
ccagagtatt gactttttaa cagattatta aataaagg 458

<210> 356
<211> 446
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. H52835

<220>
<221> unsure
<222> (1)..(446)
<223> n = a or c or g or t

<400> 356
cggataccct gggggcctct gctcctctct ttgtggagac gtcgtttcac cggcggcgcg 60
tgaccccggc agctgtccag agaccagag atgtccaatc acaggcgcac ggtgcacagg 120
cgcgcagggc tgcttgaac gggcccaggc aggcagtgc cgggacctct ccggagggag 180
aggaacggtg ccctcccggg aggagctggc caggcaggcg ctgcccaggg cggccttccc 240
tgctggacta cggcattgcn actgagttat ataaagacac tatttgggga aggacagcgg 300
gtgaggactn ggcgcggcgg cacacgcttt gcctgttgn ttcagctctt ctgggggcca 360
aggcaggag ttccagggtt tacagtgagc ctgatngcca attgctttcc aaaagagaga 420
aacagagaga aagggattna ggcttc 446

<210> 357
<211> 386
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. H54764

<220>
<221> unsure
<222> (1)..(386)

<223> n = a or c or g or t

<400> 357

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gatggagttt cgctcttctt gccagggctg gaggcaatg gtgcaatctc ggctcactgc 60
aacctccacc tcctgagttt gagattctcc tgcctcagcc tcccactggg attacaggcg 120
cctgccacca cgcccagcta attattgcat ttttagtaga gatgggggtt caccatgaaa 180
atttttattt ttattaaaag agtgcattgag ttagtcatga aggcagagcc agggcggcct 240
gcataccaaa tgtgaaggaa cagtaccaat tgacaaagga aggcacaaaa ctaggacaaa 300
ggaaaaggga cttcaattaa ataaggtaat ttggaactaa ctggaaaatt gaggaggggg 360
aatngcaaa taaaatnggg gaggca 386
```

<210> 358

<211> 384

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. H56673

<220>

<221> unsure

<222> (1)..(384)

<223> n = a or c or g or t

<400> 358

```
gttaccaaga cacaatttta agatcaaaca agtgtcaagg taggcatgg cttgttggca 60
gtagtagggg ccctatggct atttccaggt atgggtggcc ccttttcctt gggtatctgg 120
ggaatctgcc acagcagaca gcaaaaggta aaaagcatcc ctttaataac tacacccac 180
tccagcaatt gaggtttatt caggggtggg tcaaagtagt acaagacaaa aatagcttag 240
tgaaatggnt tagaatccag actgaggtgc cagactgcct gcactgagg tctcaggtcc 300
caccatgtat ggaggccgtg tggaccttgg gggtagggtt actaggcctc cccgggggtt 360
caaatcttct tcacctgtaa aatg 384
```

<210> 359

<211> 440

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. H58873

<220>

<221> unsure

<222> (1)..(440)

<223> n = a or c or g or t

<400> 359

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actataactt agtgtctgta tttaatatg acaacccaaa atatatatan tttnttgca 60
tctatacaca acagggcagg agtctccatg tnttcttgag cagtgagttt gcaggctccc 120
acaggccctc ttctcatggt aatagtgtgg ccctagtgc aaggagacta gaacccggca 180
gccagactg gcccttcccc tctcctccct gcactccagt gcttcccaac tggctcagg 240
taaagaaagn ttantttgag tggttgggta ggaagagatg ggaaggggca aatcctaag 300
ggagcctgac ccctagagtg gggagttcca gggccagcag aacgggtggg ccatagccct 360
ncctggggnt agaagctttg tagttcatag ttcgattagt ntgtccntag ggcattaggt 420
nccagcccta cagattagct 440
```

<210> 360
<211> 284
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. H60595

<400> 360
aagacagagt ggactgttac aaatgatttt gcaaaataca aaaatagata tacttccact 60
gaatgcttta atcatttttc cgggcactct catcttttgg ttcttcctca tctgagtaca 120
cagtgggctc ctccccctcc ttcagcagtt tgcccacgtg atgatacttg aaagtgaact 180
gagactccca gtcactcaga gtctcctgct gggcgcagtg aggtcagaaa ggtcatcgta 240
ctcatccttc agtgcttcct tatccgggga aaatgtgggc aagg 284

<210> 361
<211> 317
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. H61295

<400> 361
gaaccctcta agggacctca aaggtgattg tgccaggctc tgcgcctgcc ccacaccctc 60
ccttaccctc ctccagacca ttcaggacac agggaaatca gggttacaaa tcttcttgat 120
ccacttctct caggatcccc tctcttctca cccttcctca ccacttccct cagtcccaac 180
tccttttccc tatttccttc tcctcctgct tttaaagcct gcctcttcca ggaagacccc 240
cctattgctg ctggggctcc ccatttgctt actttgcatt tgtgcccact ctccaccct 300
gctcccctga gctgaaa 317

<210> 362
<211> 370
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. H64493

<220>
<221> unsure
<222> (1)..(370)
<223> n = a or c or g or t

<400> 362
gggtgcttta tttccatgct gggcgcccgg gaagtatgta cacgggggtac gtgccaagca 60
tcctcgcgcg accccgagag cccggggagc gggngcttgc cggccgctgc actcatttac 120
ccggagacag ggagaggctc ttctgctgta agcggttgtg cagagcctca tgcatacagg 180
agcatgagaa gatgttcccc tgctgccacc tgctcttgct cacgggtgagc ttgctgtaga 240
ggaagaagga gccgtcggag tncagcatgg ggaggcntgg gtnttgtagt tnttctccgg 300
ctgcccgtg ctttcccant ccacggggcg tgctgctggg ggtagaagcc tttgaacagg 360
gaagtcaggc 370

<210> 363
<211> 460
<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. H66642

<220>

<221> unsure

<222> (1)..(460)

<223> n = a or c or g or t

<400> 363

```
ttaaagacag agtttcgctc ttgttgccca ggctgtagtg caatggcgcg atattggctc 60
actgcaaccc ctgcctccca ggttcaagtg attctcctgc ctcaccaagt agctgtgatt 120
acaggtaccc gccaccatgg ccagctaatt ttttctatct ttagtagagc cgggggtttca 180
ccatgttggc caggctgggc tcgaactcct gatctcaggt gatccacctg tcttggcctc 240
ccgtgctggg attataggca tgagccacca cgtccggcca aattttactt cttaaaagtg 300
cttttctctc agtgatatca aggtcttctg tctactatta taaccataag cttctttagg 360
cattaaggag ggaaaatggt taataaaatg taattaaact gggatggaat ggtcagtgtg 420
tttaaagtga aatatactta aatgtaatta cggggngngt 460
```

<210> 364

<211> 291

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. H68097

<220>

<221> unsure

<222> (1)..(291)

<223> n = a or c or g or t

<400> 364

```
tgaagtttat ttncctctggc agtatgtttt agtttcttgt ttttnatttt gttgtgtgtg 60
tatgtgttgt agatttttatg atttgagggt accatgaggc ttgcaaataa cataacatgt 120
tatttttaaag tgacaacttg aacttgattg caaaaacaaa cagggcgaag agaactaata 180
aaaactgtac actttaactt cattcctcct gttttttnaag gtttttatgg gtttctatct 240
atatctcctt gtactatctt gaaaagggna ttgcagggtta tcatttggtc a 291
```

<210> 365

<211> 317

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. H77597

<220>

<221> unsure

<222> (1)..(317)

<223> n = a or c or g or t

<400> 365

```
tcaagtctaa gtgtttaatt attattcaca tatttcacag aaaaaaagga atgtagcaaa 60
tgagtcggag ttgtagaaaa aaaaaatcct ggnttttacg tgtcattctg ttttcatctg 120
```

acagcagggc tgtccccgaca tcaggcacag cagctgcact tctctgacgc ccctttgcag 180
 atgcagccct gggcacactt gggcacagcc caggggnaaa caggagcagc agcctggggg 240
 aaaaagggag agagaaggtc acaggcagac ttnaccaggg ganctccctt tcccaacagc 300
 aggcctgggc tcaagct 317

<210> 366
 <211> 340
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. H81070

<220>
 <221> unsure
 <222> (1)..(340)
 <223> n = a or c or g or t

<400> 366
 caggtctaaa gtgtttaatt atcactcaca tatttcacag gaaaaggaat gtagcaaattg 60
 ggtcaagggtg gtataaaaaa aaaatccagg tttgtacatg tctctctgtt tacatctggg 120
 agaaagggttg tcctgggcat cagtcgcagc agctgcactt ctctgacgcc cctttgcaaa 180
 cacagccctg gggcacactt gctacagccc acgggnagnc agggagcagg cagctctttc 240
 ttgcaggagg gtgcatttgc ctctttgcac ttgcgggaac cagcgcggtg cagggaggac 300
 accagcggcg cagggagcag ttgggggggtc cattngcaag 340

<210> 367
 <211> 330
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. H81379

<220>
 <221> unsure
 <222> (1)..(330)
 <223> n = a or c or g or t

<400> 367
 ttaanntttt ttaaaaccaa aagaacaact ttaataagct tttacggcac tgcaattaca 60
 ggaacatcga ccataacat gcaacaaaaa tgattttgcc ttttgacat atttaacaga 120
 taaacttgac attacaagta acagcaacac attcccattc tactgaagaa aacaaatgcg 180
 atttaacttt caggttagaa aacgtatctt cttactgcaa tctcaagtng gcatttngaa 240
 agtttagttt tcccttttct aacctctaaa agatgatatg atttttaatg caatcataca 300
 caactgtttt cacattgggg aatantcacg 330

<210> 368
 <211> 419
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. H81413

<220>

<221> unsure
 <222> (1)..(419)
 <223> n = a or c or g or t

<400> 368
 ngagccagaa aaggattttt tttaattcaa gtaactgaaa taggaaacca gaggggggagc 60
 cccaggctgg gataaatcat ggctacccct ccccaacaga acaggggggag gaggtggccc 120
 ctacacccat tatggtcgat tcgggcccc ttgctcactc tgctgcagca tcctagaggc 180
 agggccccac cttccctggg actggggtag tcggtcaccc agcctgcatt gccccagccc 240
 ctnttcccca caaagagtat cttgggggag ggnttcgtgg ggcagaacag gagggcaatg 300
 agggatgaac attgctcaaa ctcttttcaa aggggcacct gaccgcacag gggaggntgg 360
 gcaggaaggg caagggntgg gggatgccgt ntaaggaggg cggangcagg canttttgg 419

<210> 369
 <211> 386
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. H83380

<220>
 <221> unsure
 <222> (1)..(386)
 <223> n = a or c or g or t

<400> 369
 ttaattgcag aaaaatttat taaattggaa aatcttgcgt ttttcaatgg cgctggcccc 60
 gggtcagcgg cgattttctc tgcatacaga tgggctttgc gtttccgtag tgggcaccag 120
 tgggtggcctg attgtcagtc ttctcccggc atttttaagg ccaggagacc gaagcgctgc 180
 ttgtaggcga ataccctaca gagcgggttg gctttttaa ttactgttat tattttgggc 240
 agagaacagt cgggtctgggt gcaccccgtc ctgcgtgcag aagaggctgc gagtccgagg 300
 tggggctctc cggaaggtg aaattccttc tnggggntna gcgagccccg gccccgcgcg 360
 gcagtccagc ggccccgggtg ttgttg 386

<210> 370
 <211> 335
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. H84761

<220>
 <221> unsure
 <222> (1)..(335)
 <223> n = a or c or g or t

<400> 370
 cggcacttta ttagtgggga aacncgcctt ggnctggcag agactgggat caacaggacc 60
 ngacccatc tcgaggnggt attttcngta agancaggng ttccnccctc gtaggttttag 120
 aggaaacacc ctcatagatg aaaaccccc cgagacagca gcaactgcaac tgccaagcag 180
 ccggggtagg aggggcgccc taggcacagc tgggcccttg agacagcagg gcttcgatgt 240
 caggctcgat gtcaatggtc tggaagcggc ggctgtacct gcgtaggggc acaccgtcag 300
 ggaccaccca ggggactttc ttcaaagttc cnggg 335

<210> 371
<211> 178
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. H86112

<220>
<221> unsure
<222> (1)..(178)
<223> n = a or c or g or t

<400> 371
gcttaatggg gccaaagggg caacacaaag cattgaaaac atcactggct cacaaaacca 60
gtcaccttgt taccttctca gttgcatttg tttatttcac aaggcttcat tcacacataa 120
aancaagata ctantccaat tcangttcat aacgggtata anggtaanca tttgttgg 178

<210> 372
<211> 287
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. H88338

<400> 372
atgcatgttt aaacatttaa tctagaactt gattacaaag taatttaatg aagaaaataa 60
tctgttataa ttcttataga tgtttattag ttttttagatt taaaaaaaaa acagggctta 120
taattaaagc aattgactaa tgatctcaca gcctcaaggt tgtatgcaaa cctagattag 180
aaatactttg gtctctaaaa ataacaaaat ggaccataac attttttttc ttacaagttt 240
gaagtgggtc aattatgggg gaaacacata cattcctaag gggaaat 287

<210> 373
<211> 337
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. H88798

<220>
<221> unsure
<222> (1)..(337)
<223> n = a or c or g or t

<400> 373
nactttaata agtataaagt atataaacia ttaggtaagc ttgtggagaa gctgaccaag 60
atacataaat taggaaatac aagtgtccat ctaaattttc tatatttcat ttttttcata 120
atatttatta aagggtgttta atatacagtt tctcatctgt cattttggaa gtcctttatt 180
gtaaagacaa ttctattgtc tgatgacaaa cagcagccac catggttatt caggacctcc 240
acgttggata aattccattt cttcttgaga cacaagtttc cttctggtat ttctgaggta 300
atggntttta ttatttctgg cagtgtctgg tggaccc 337

<210> 374
<211> 321

<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. H91703

<220>
<221> unsure
<222> (1)..(321)
<223> n = a or c or g or t

<400> 374
ccataagaca agtgacatat ccaaccaacc atccatcccc acctgtgccc tattctttcc 60
ttgtgtttct ttagagcctt ttcagctatt tcctgtgaag caaactgcac gaaggcctcc 120
cccgtactcc tcccctggaa gtccaccggc aatgttatcc catttggcac gatttccaac 180
ccttcaaccc aaggacaaat aaccccagta ggggncaat attaacatca caagcccagn 240
aaatgattct tcttataggc tttaaataaa ccaggacttt ttaactttag ggtgaatggg 300
tatgctttca acaagtactc t 321

<210> 375
<211> 395
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. H94471

<220>
<221> unsure
<222> (1)..(395)
<223> n = a or c or g or t

<400> 375
tttggttactt ttacatgatc tttattatatt aagaaaaacc tcttttaacc atttatataa 60
cagaaaaaaa atagggaggc tggtagatca tcacatatat agtagctaaa atatgaaagg 120
ccagggaatt tattattaat gaagtcataa aacagactta accaaaagtg tgtgctagga 180
aacaagcagt ttcacttcag agacttcatt gcaggaaccc agtttcctta tgtggaaaaa 240
agtgattata aataacagtt atctgaaagg tggttgagag gattaaatga gatcacctat 300
gcaaacaaat acatgtaggt atgaaagacc atccgtcctg ggggtngtgg aaagtttaag 360
tttccccncc agaacccttc cctttaaggg cctta 395

<210> 376
<211> 373
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. H94475

<220>
<221> unsure
<222> (1)..(373)
<223> n = a or c or g or t

<400> 376
tttttgccca ttcattcttt attcaggtgg cataaaaatc actacaaaaa ccttacaaaa 60

gagccttaag gagctcatgg gatccttccc tgccctcggtt cctgagctcc cgggcagagg 120
 agggagacag gagaggaagg aagggaaatg ctggcagtgt tgggatctcg aggagccgtg 180
 ggaagtctgg cgtgacaagg cacagggggt aggatggagg ctgatggact ctcggcaggt 240
 taggccacag ccaaggctgt gccangacac gagttccacg cggggctgag gacaacgctt 300
 cgcctcccga gccaccacca gggcccgtct ctccccaccc taagcctagg tgtcccggga 360
 caagtccaaa ggc 373

<210> 377

<211> 417

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. H95960

<220>

<221> unsure

<222> (1)..(417)

<223> n = a or c or g or t

<400> 377

ttttattggt ttagtaatat taacataact taaaataaga gaggggaaat gacatctgga 60
 gatctaggta tgtggcccat tgcaattgag cacatttctt gggctctgtt ctctatctct 120
 aagggcagtc tcaaaacccc agctcaaaat acgacactaa catgatgaac atgcatgagc 180
 tttgaaaagt gctctgtagt cttatgatga tctagaagag cactgtccaa tagaactttc 240
 tgtgatgatg aaaagattct acttctgacc tattcaatag ggtaaccact aatcatgcat 300
 ggctctcaag cacttgaaat gttgctagtg tgattgggga gctgcgtttt gaatgttaac 360
 naatttanat tttaaatcnt taaaaagttt acatgtgggt tagtgggncc ccgtacg 417

<210> 378

<211> 439

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. H97538

<400> 378

atTTTTgtag ttttgggcaa aacattcact gttctgtttc agcatatttc cttggaacat 60
 cttcatctct ttccattttg cggacactcc ccttcttcta ttctccttta ctcaaaacat 120
 atggtttaga cccacatcat ggctttcttg tgggaagcct ggatgggact aggaaaacac 180
 atgtttccaa catggtgcat atctgtttgt gcagatatca gacaagattt aatcttgtct 240
 aacttatgcg tattgttttg atgtttgcct gtggttattc tgggcacagc aatggtggac 300
 attattgaaa atgaacttta ttggcagatg aaagataata gaacatgaag atttatgaac 360
 taccataagc tctgcatctc tgggtcttca tttccaaagc agcacttgga aaaccaagcc 420
 cagtttcagg caaagagtt 439

<210> 379

<211> 440

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. H98835

<220>

<221> unsure
<222> (1)..(440)
<223> n = a or c or g or t

<400> 379
caagatcctg cctcccaagc ctataagctt taccaggaga gaggcaggcc ccaccccaag 60
atccactatc cactctttga agaaagatta gagccatggt ctcagacttt gggctgcatc 120
ctaaccctg cgaagtgcac aatgtgtgat gactccaccc tccacccgat ccagagggtc 180
tggggtgaga cccaaggctg agaggcctcg atggcttcct ggcccatct ccggcagcag 240
ctctatggct gggctctcct gcaggctggg tgcacccag gccctcagat gggtctaacc 300
agaatcgatg ggcagcagtg acttcgactg tatcatcaat cttggctgcc acaagggttg 360
gttggtccagg ccctcagctt ganccttgga ggtggggccc ccacacagag ctttgtctgc 420
ccccagccca ccctcattta 440

<210> 380
<211> 495
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. H99035

<220>
<221> unsure
<222> (1)..(495)
<223> n = a or c or g or t

<400> 380
tgagctttgg acaaatttat tgaaacatac aggcggctgt tagcagagaa atcattccat 60
gattgatgtg ttacatttgg ccactacctt gaatgtataa tttaaaaatt atatttttca 120
caactaagcc tttgncaaaa aagtcattta gcacatcttt aaagatcaat aagaaatgga 180
ttttggacat taaaaagatc aagtcactga attaaacagt agcaaccccc attaatctag 240
aatcccatag tgctgaagggt agagggtgtc gtgcaaagct agtcatttgt taacagcaat 300
cagaaganga tggggggcagg cacacctgtc agagggtggca gcagactggc aggacaggac 360
ggctgggctg gtctggtcag gtgagcatgt cccagagaca gcagcaacag agagccgtcc 420
agcaggctgt gaggcagggt gatggctcta gctcatctcc tccttgggtc ttctaccaca 480
tacactgtgg gnttt 495

<210> 381
<211> 424
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. H99648

<220>
<221> unsure
<222> (1)..(424)
<223> n = a or c or g or t

<400> 381
ggggtatata attttatattt aagtttatat ttcctgcagg atagcaacat acatcttttc 60
ctacccagag gcaaaataca ttttccaaaa acgtggacac tgcccactgc attaatgta 120
aagtgtccc tatatatata gacagtaaaa gtaagcaaag aaacttaca cacattccaa 180
tctttaatat ctcaaaaatg tttccaaggc aacattatta aaataattat accacagtcc 240

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ctaataataac atcaagctcc agtaggaagg tacagagagg gcaggaagtt tccatccagt 300
ctgggttagg tgctcttctt ttcttcaccc agtaaattca cggtagcttt ctctgcttct 360
ttagtgatgg catctgcagt ccccttggcc ntgtctttaa gggtcctga ccacactgg 420
ccat 424

```

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<210> 382
<211> 438
<212> DNA
<213> Homo sapiens

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```

<220>
<223> Genbank Accession No. H99694

```

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<220>
<221> unsure
<222> (1)..(438)
<223> n = a or c or g or t

```

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<400> 382
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ggaataccaa accacacatt agattgttct gttcccaatt gtgtgccaaa gtgcactctg 180
aactgttttg gtaaagccga ccgtggagtc atatgaggct gaataacttg ggagaatgta 240
agtctgcaaa ataaacctag gactggattg atcctcaggc cacttggcag gtgaatgtct 300
cgggagtga tatgagacaa gcttcctgaa aaggcttata tgacttaaag aactttttgt 360
ttaagtgttt ggtcccaaata aaactattaa gatatatataa gtaattcact gctcaaaaat 420
taccgtcaga taaatatn 438

```

```

<210> 383
<211> 749
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. J00073

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```

<400> 383
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aaatagaggt gagttcatat aacttgattg gccatattat ttctgtggtat gacatatccc 120
acattatagc gaattaatat ctaatggttt ttctgtgaat cctcccaatg tgttatttgc 180
tcccttgctt ggaacttcag agttcactgg aagtttttgt tttcttctgc agattattgc 240
tccccctgag cgtaaatact ctgtctggat tgggggctcc atcttggcct ctctgtccac 300
cttccagcaa atgtggatta gcaagcaaga gtacgatgag gcaggcccat ccattgtcca 360
ccgcaaatgc ttctaagatg ccttctctct ccatctacct tccagtcagg atgacgggat 420
tatgcttctt ggagtctccc aaaccacctt ccctcatctt tcatcaatca ttgtacagtt 480
tgtttacaca cgtgcaattt gtttgtgctt ctaatatatta ttgctttata aataaaccag 540
actaggactt gcaacctata aaagcctctc gtttgttttt ggggtaggcg tgggggtgggg 600
cagggtgttg ctttgacacc ctgagcattg tcaaagttca gtagcacaay gttcatccag 660
atgaattaat atgacagtta gcrgggagtt ataatgctaa ctttgattca tatttggaca 720
gaatcatgaa tatattcata tccgaagcg 749

```

```

<210> 384
<211> 1056
<212> DNA
<213> Homo sapiens

```

<220>

<223> Genbank Accession No. J00123

<400> 384

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ttcttttttat cattacatca aattgttttc ccaggcttgc gtaatggaat gtgaaggtaa 60
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gcttcctcaa gatggcacca gcaccctcag agaaaatagc aaaccggaag aaagccattt 180
gctagccaaa aggtatgggg gcttcatgaa aaggtatgga ggcttcatga agaaatgga 240
tgagctttat cccatggagc cagaagaaga ggccaatgga agtgagatcc tcgccaagcg 300
gtatgggggc ttcatgaaga aggatgcaga ggaggacgac tcgctggcca attcctcaga 360
cctgctaaaa gagcttctgg aaacagggga caaccgagag cgtagccacc accaggatgg 420
cagtgataat gaggaagaag tgagcaagag atatgggggc ttcatgagag gcttaaagag 480
aagcccccaa ctggaagatg aagccaaaga gctgcagaag cgatatgggg gcttcatgag 540
aagagtaggt cgcccagagt ggtggatgga ctaccagaaa cggtatggag gtttcctgaa 600
gcgctttgcc gaggctctgc cctccgacga agaaggcgaa agttactcca aagaagtcc 660
tgaaatggaa aaaagatacg gaggatttat gagattttta tatcttttcc cactagtggc 720
ccccaggccc cagcaagcct ccctccatcc tccagtggga aactgttgat ggtgttttat 780
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aaactgtcat ttcaggttct gtgctctttt tggagtcttt aagctcagta ttagtctatt 900
gcagctatct cgtttttcat gctaaaaata gttttttgtt atcttgtctc ttattttttg 960
acaaacatcc aataaatgct tacttgtata tagagataat aaacctatta cccaagtgc 1020
ataatatcct tgtaagtctc tttttctcca aggctc 1056
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<210> 385

<211> 1089

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. J00231

<220>

<221> unsure

<222> (1)..(1089)

<223> n = a or c or g or t

<400> 385

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tccagagctc aaaacccccc ttggtgacac aactcacaca tgcccacggt gccagagcc 180
caaatcttgt gacacacctc ccccggtgcc acggtgccc gagcccaa atctgtgacac 240
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nnngtgccca gcacctgaac tcttgggagg accgtcagtc ttcctcttcc ccccaaaacc 360
caaggatacc cttatgattt cccggacccc tgaggtcacg tgcgtggtgg tggacgtgag 420
ccacgaagac ccnnnngtcc agttcaagtg gtacgtggac ggcgtggagg tgcataatgc 480
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cgtcctgcac caggactggc tgaacggcaa ggagtacaag tgcaaggctc ccaacaaagc 600
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atgagtgcc tggccggcaa gccccgctc cccgggctct cggggctcgc cgaggatgct 1020
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ctgccctgg 1089
```

<210> 386
<211> 2133
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. J03040

<400> 386
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gaagccctgc ctgatgagac agaggtggtg gaagaaactg tggcagaggt gactgaggta 180
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tcctgccact tctttgccac aaagtgcacc ctggagggga ccaagaaggg ccacaagctc 480
cacctggact acatcgggcc ttgcaaatac atccccctt gcctggactc tgagctgacc 540
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<210> 387
<211> 5416
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. J03464

<400> 387
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gggccctcct	ctgcgcccc	gcaggctcct	cccagctgtg	gctgcccggg	ccccagccc	240
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gtataaatag	ggcagatccg	ggatttggtt	ttttagcacc	acggcagcag	gaggtttcgg	360
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<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. L19871

<400> 399

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<213> Homo sapiens

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<211> 5911

<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. L25270

<400> 401

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<212> DNA
<213> Homo sapiens

<220>
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<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. M18737

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<211> 1483

<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. M19045

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<210> 413

<211> 980

<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. M19309

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<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. M20543

<400> 414

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 <212> DNA
 <213> Homo sapiens

<220>
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 <212> DNA
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 <213> Homo sapiens

<220>
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 aaggaggctc gctccctcag cacagagctc ttcaaactca agaacgccta tgaggagtcc 240
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 gagcacgagg agggcaagat cctccggggc cagctggagt tcaaccagat caaggcagag 480
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<211> 229

<212> DNA

<213> Homo sapiens

<220>

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<210> 420

<211> 1568

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. M24069

<400> 420

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 <211> 565
 <212> DNA
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 caccctgaac cagggggaat tcaaagagct ggtgcgaaaa gatctgcaaa attttctcaa 180
 gaaggagaat aagaatgaaa aggtcataga acacatcatg gaggacctgg acacaaatgc 240
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<210> 422
 <211> 213
 <212> DNA
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<220>
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 agcatcggtc actgctgggtg tgtcttcccc aacggcacgg aggtcccca caccagaagc 180
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<210> 423
 <211> 1045
 <212> DNA
 <213> Homo sapiens

<220>
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 ccagcaggcc agagagccca gtcctgaggt gagctgctgt ggctgtggc caggcgaccc 180
 cagcgtccc agaactgagg ctggcagcca gccccagcct cagccccaac tgcgaggcag 240
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 <211> 1586
 <212> DNA
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<220>
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 agagccccag agaggaaggc atgctgttgg ctctagctct gcttctagct ttctgcctc 180
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<210> 425
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
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 aagcatctcc ttacagtcac taatatagta gatttttaaag aaaaaatttt tcttttcttg 180
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<210> 426

<211> 1268

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. M33197

<400> 426

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<210> 427

<211> 1081

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. M33493

<400> 427

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gcaactgcgg gagcagcacc tctactacca ggaccagctg ctgccggtca gcaggatcat 300
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1081

<210> 428

<211> 1056

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. M33653

<400> 428

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cagaggggccc tcccggacct ccggggctcc aagggtgttc tggaccaaag ggggaagcag 360
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1056

<210> 429

<211> 1238

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. M34338

<400> 429

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<211> 468

<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. M34516

<400> 430

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<210> 431

<211> 1060

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. M34996

<400> 431

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<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. M35252

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<211> 4567

<212> DNA

<213> Homo sapiens

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<400> 433

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4567

<210> 434

<211> 1104

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. M57466

<400> 434

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1104

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<211> 2153

<212> DNA

<213> Homo sapiens

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<211> 1568

<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. M61764

<400> 436

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<211> 1811

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. M62831

<400> 437

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<213> Homo sapiens

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<223> Genbank Accession No. M92843

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<211> 2075

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. M92934

<400> 448

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<210> 449

<211> 1080

<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. M94880

<400> 449

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<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. M98539

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<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. M99487

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<213> Homo sapiens

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attagtttgc tagaacaggg atttaagaag ttactcagac attttggtat tgacacttac 180
atattttatg caacaaatta tgatgacttt aaattttcaa tgagatcttt tgtacaagaa 240
tacagaatgg gaagaatgta caaaatgaaa agacaggcaa acaaatgtac tttccttggc 300
actattttcta taacaccata tagggttgtg ggcctcgggtg ccgaaattcc ctggcaagcc 360
ccgggggggtt cccacctaag ttctnaggag ccggggccgcc acccgngttg gaagctccca 420
gcttttttgg tccccttttag gtgagggtta
450

```

```

<210> 454
<211> 368
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. N23352

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<220>
 <221> unsure
 <222> (1) .. (368)
 <223> n = a or c or g or t

<400> 454
 nttgcacttg gggtaatagg tttattatct ctatatacaa gtaagcattt attgatgttt 60
 gtcaaaaata agagacaaga taacaaaaac tatttttagca tgaaaacgag atagctgcaa 120
 tagactaata ctgagcttaa agactccaaa aagagcacag aacctgaaat gacagttttc 180
 aggttggtata gttatccaga caatgaagtc aactatacaa ggcaagcaac acatgacaat 240
 aaaacaccat caacagtttc ccactggagg atggaggagg gcttgctggg gcctgggnaa 300
 ctangtggga aaaatattta aaatctcata aatcctccgt atcctttttt tccnatttca 360
 gggaactt 368

<210> 455
 <211> 375
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. N23730

<220>
 <221> unsure
 <222> (1) .. (375)
 <223> n = a or c or g or t

<400> 455
 tcgcattcaa cttaaagtnt taacatngac aatgtcttgg aacaataagc aaacaatgct 60
 taaatttttc attcaaattc actttccaca tgtcaaaaga cctcaaggta gaaaaaata 120
 aaataaaaat ataaatatct gagaatccat cttaataaat aaattaaaaa cncnnnccaa 180
 cgttttcacn nccccntggt aatgtcagaa cattcagacc acctcaacaa tgcattgatca 240
 gtaacattac aatgaacatt gatgttgaag aaaaactaca gtacatggat atagctattt 300
 atttctatct accagaaaat aaagtcgtat cttttcttag tataatattg gtcattttcta 360
 atcagaacac actat 375

<210> 456
 <211> 469
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. N24761

<220>
 <221> unsure
 <222> (1) .. (469)
 <223> n = a or c or g or t

<400> 456
 anaattcaaa cttttatttg gcaataagtt cagagtcaca taacacataa aatcaacatt 60
 taaaataaat agcaaattca catctagaat aaatagggtc gcctaatttg cattaattgt 120
 gcctgatatc atacaggcac aatctgtcat tccacgagat aactggaaaa gtctccaaag 180
 tcagagttca aacctgcagg actgaaaaca cacagaagca ctgtcgcagg ttgggttccc 240
 cgaaagcaga tactgaggtg gagaatggcg tgcaggaagg ttcattaggac agtgctgtgg 300
 gctgagccgg ctgggtacag gcttgtcagg gagaggcact gggctgtaat gtggccacaa 360

tgaggtctca ctggacccca caaggggctc tggagctggg atggccccag aggttttccc 420
aagttggggg gaggaggcca gacctttgta ccccatatgg agccggtaa 469

<210> 457
<211> 454
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. N24899

<400> 457
gttggttgaa aaacatttat tgcaattcag tgtcaaaagt tttttacaaa aatatgccac 60
cgtctggtac aaacaactat aaaaaatcag ttcatcatgc aagaaaagtg tgcaaataat 120
ttatacagaa ggactcagct cacacaatat taaataaaca tctctgcatg taattggtct 180
aactttatgc tttagttaca atgttcaacc ccctctaata cttttcattt aaaaaagtac 240
attaaagctt ctaagcttag gacacaggct gtaatatagc cccactttag ccatggtgat 300
tggcacttgg tagaataaag attggcacca aggattccca agtatagaat acagcttgga 360
gccttctgct taacagactt gtgcttcggt aattaaacaa acacatctat actcaaagac 420
agaaaaagtc atgtttaaac tccagaaata atgt 454

<210> 458
<211> 441
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. N24902

<220>
<221> unsure
<222> (1)..(441)
<223> n = a or c or g or t

<400> 458
ggtcnacagc cgttttttcta gttccaagtt ttaaatacat ggaaggaagt ccggggagAAC 60
catatgaagg agcaggagga gaggaagaaa ctttttttcc ttctttttcca ggagtagctg 120
gaaattaaga tcgggttcct tttctgccag cttggaaggg caaccccatg actgattgcg 180
attctgagga tgtctatgca aagttggatt cttgttacag tgtatccaat ctgaagtatt 240
gcacatctga actgggactg ttaacactga tgccaataca gtgtgggggtg ccagaaagtg 300
tctgctgata tttgtggaaa aaaaatctat tttgtttacc tactgtatca aaggggagtc 360
tgggggagaa tggtagtatt tttttttttt atcagctgtg aaaaaaatgt tacagatctg 420
cacattttcg tgtgtactat g 441

<210> 459
<211> 466
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. N26713

<220>
<221> unsure
<222> (1)..(466)
<223> n = a or c or g or t

<220>
<223> Genbank Accession No. N29568

<400> 462
ctttatcggg atttgtttgt ttctgttcct tatcttttcc attctctgtc ttctgctctt 60
ctagatacct ctttgtatag gctgctcctc ctgaagcagc actctcctcc ttctgagatg 120
agccatatgt ggagccagtg gatggtggac tcttaccac agggtcttt ttggatggac 180
tcagggaccc agaaccatgg tcgaactgac cttggtgtgt cccagactga taccggcac 240
cactcggcag agttgagccc atctgggatg tgctggaaag tggaggacta ggttttggca 300
cggggctagg acggggtgac cgccgcctca ccaccacaga ctgggagggg gcttttgaga 360
gctgggcttc gctcccaggg actcagctca gaaactgctg aggcccgtga tgcagaacca 420
gtgccgtagg tggcatca 438

<210> 463
<211> 497
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. N30198

<400> 463
tatttttcat gaaatgattt attactttta gaaaacagta taaacttaca aactataaat 60
taagatataa gtatatcttct gccaaagtaa gtcaagaaaa atgcacttca gaatcagctt 120
ttattacagg caatgtattg taaactcgaa catccagaat ctgagttaca cttattattt 180
ttaacatttt actcaataaa aatctgatat actgggtcca agtgatgaca cattccaaat 240
taatgtaact ttcttgcagc ttaaataaac aaatttagat caccaagtga aatcaaagcc 300
aagtgtattt gcacaactca agaatgatgt gaatggatta gaatctctca tagtgcatac 360
ttcgccattt atacacaaac tttgagagtc ttctgagtga catgggtattt aactttgttt 420
ccaagggcca aataactaaa tgtatagaat atcctactct atactcacta ttaaattgtca 480
tggactaggg aaatctg 497

<210> 464
<211> 585
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. N30856

<220>
<221> unsure
<222> (1) .. (585)
<223> n = a or c or g or t

<400> 464
gattaaaaag agaaaatata ctgtaaaata tttattttaat aaaaataatt ttataatcta 60
tacagaattg aataaaaagt acaacaaatt attttcactt atttacaaaa ctgcatacag 120
tacaacttgc acattgagtt cagcattcta taaatatggc cacataccaa gatgtgaaca 180
tattcttgtc ttatataaga aaaggctcag gttgtatgcc acaaactttg aattaaattc 240
cagggaataa ttgcttttgt aacatgaaca atttgtacca cattccatta aaaaaagatt 300
taataaaatc cctcaaacag cacttttcta cttgtttcgg agtacacaat tcccaaatta 360
gcacaaacaa aacaaagcaa aaaaagaaaa acagacagaa tgtaaaatgn aggttgctac 420
ttttatgata tcacttccct ttcccttcct tagctagtgg tcctttccct tcccctaata 480
gtaagggtgg gngaattgaa atggcctatt cctatcccca tccatttgcc tccaggatcc 540
ctgcttaacc naatgnggta tggtcgnctt ggccacctgn cacc 585

<210> 465
 <211> 579
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. N32748

<220>
 <221> unsure
 <222> (1) .. (579)
 <223> n = a or c or g or t

<400> 465
 cagcagaaga gtagcctgat tttattcacc ttttattgga aatctgtggg acagaactag 60
 gcaatgaggg tgctacaata ataaagggtga gtgttggcag tggcttgacc agagcagaag 120
 tgggaatgaa acagttggat tctgtttgtt ttcaaagaag agctcataga acttactgat 180
 ggnttgttat gtaggatgtg aaagaaaacc acagaaatga ctccaactaa aacagtaaaa 240
 tgccattcac taatttcaag atgatgagag aagctgtttt gcagagataa tgaaagaaat 300
 tctgtttgaa gcctattaaa gtttgaagtg catattaatt ggactttcaa gttgagatgt 360
 caagtaagta gcaggggtctc tgagtatgga atacnaggct gtgggcnagt gacttancgt 420
 ctgcaacatc cacatatagg cagcatcncc atagcaacaa acatccngtt ccaaataatc 480
 cgccngattt tcntcctcca cgtccatctt cctcagagtc catcaggggc cncagnact 540
 ggcnaatcca cncatgngcc cgttacctcc ttctcngca 579

<210> 466
 <211> 355
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. N33927

<220>
 <221> unsure
 <222> (1) .. (355)
 <223> n = a or c or g or t

<400> 466
 acaattctcc gcagatttta ttaattataa cttttttttt cagacgtcct gccatcttct 60
 cattcagact tttcttagca aaggtagtcc atggcaagta atgaattccc agtaactagg 120
 tctgtaacag aagtaaattc tgtttttatg tttataaact caaaaagtaa catgaagtgc 180
 aaacaccttt agttccttcc cctcggtaac cttcttttga tgaaccagtg tgcagcaaac 240
 caggatgaag ttggatttgg gtgggatcca cacaggatcat tttcaggcaa gatgagactt 300
 cccaagttcc atgnatagat tcatattatc agttatttta tgcattcatt tctcc 355

<210> 467
 <211> 455
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. N34817

<220>
 <221> unsure

<222> (1)..(455)

<223> n = a or c or g or t

<400> 467

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aacagggatt tatagcagct ttattcaaaa taactaaaat ttggaagcaa ccaagatgcc 60
cttcagtaag tgaatggata aactatggta cacacaatag aacataattc agcactaaaa 120
agaaatgggc tatcttgtcc tcaaaagatg aggaaactta aaagcatatt actaagtaaa 180
agaaggcagt ctgaaaaggc tacttactat ataactgcaa ctatgtaaca tgcgaaatga 240
tgagatgggt ttgcagggtt aaggggatga tatgtaataa acaggaagag cagggatgac 300
ttttagaaca aagtgttctg tgaggacta taaggctggg atacatgtca ttatacattt 360
actccaaacc cataagcatg taaaaccncc aagagttaac ccctaattgg aaacctatgg 420
gcccttggga ccacctatgg atggcnccaa tggta 455
```

<210> 468

<211> 412

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N36001

<220>

<221> unsure

<222> (1)..(412)

<223> n = a or c or g or t

<400> 468

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attagtgaat tagtttattt aaaaccatca gtttttccaa tgtgaatgga ctggttcata 60
tcacaccata tttagagata caagggtgatt ataactaacg tgtctacaag acatactggg 120
tcaaacaatg tgatcaatcc aaagggtatc tttttaaaaa gaatttaagt actcagctgc 180
aaagataagt tactaatga gatcttcttt tttttttttt taaaaaaaaa aggttttttaa 240
tgagtcaaat ttattacaaa aacttagtgt gtaatcaaag ccaaatacat tcctcaggca 300
tgccagcgga acgcaaaaata atgttaatag aatgttatta aaaaataaaa ctttttctga 360
atgatataata taanacctca tggcacatta tcctcatttg gacaacngga aa 412
```

<210> 469

<211> 430

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N39415

<400> 469

```
cagagaataa catttatttt atttggaaag ttttcctaaa tatgagacta tctgctattt 60
ctcagactaa gtgaaaaatt taataaaaata gctgccttga taggaggaaa acaaagttct 120
tactttataa ggaataacgt atgaatcata aaagaagaat gagcgatcat gggaaacatt 180
tagcttttca aagtttttgg aacatgtacc ttaaatgctt ttgggatcca gtaaaggcca 240
ggaaaggcaa agagttgaaa gtttcttgga tttatcctcg tacttacatc attagtaata 300
ggaataatgc atctcaaatt tggggcattt atataaaaac atgattttta aatggtagtc 360
tagtataaac taggattttg taatgctgtt taaatatttt catattactt tgtttcgaac 420
gtagacattc 430
```

<210> 470

<211> 443

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N40141

<400> 470

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gctgactcaa gttcttcagt tcacgatctt ctagttgcag cgatgagtgc acgagtgaga 60
tcaagatcca gaggaagagg agatggtcag gaggctcccg atgtggttgc attcgtggct 120
cccggatgaat ctcagcaaga ggaaccacca actgacaatc aggatattga acctggacaa 180
gagagagaag gaacacctcc gatcgaagaa cgtaaagtag aagggtgattg ccaggaaatg 240
gatctggaaa agactcggag tgagcgtgga gatggctctg atgtaaaaga gaagactcca 300
cctaataccta agcatgctaa gactaaagaa gcaggagatg ggcagccata agttaaaaag 360
aagacaagct gaagctacac acatggctga tgtcacattg aaaatgtgac ttgaaaattt 420
tgaaaattct ctccaataaa gtt 443
```

<210> 471

<211> 513

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N47686

<220>

<221> unsure

<222> (1)..(513)

<223> n = a or c or g or t

<400> 471

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gggttttatgg ggtttaattt ttaatactgt taacatcatc gagccagcta aacaccaaga 60
atatcaataa atactaatag tttgttttca cttcctcctt ctgttggagc actttgactt 120
tatatacatt ccagtcttag tgccaaggcc ccattggggtt tcaaattcca taccagagca 180
catcacctgg atgtgactct catatgctca aggatattcc tggagttgaa aggaaatata 240
aatgagcat aagaacagat tacagacgcg tcagtatgaa agttgatact cgtgaaaaac 300
agcagtttgc tgagaccctg gaagttagct ggagcagtcg ggcagaaatg actcgtgacc 360
atggctgcaa atggggcttg ttctcacaaa gggctttcca ccattctttt cttgggcttg 420
caggtagaag atgcggtttt cttcaggata agtaacttta ctgaggggca tcttgtagat 480
gttggaattt tttgtggtca tgatgaggaa cnt 513
```

<210> 472

<211> 442

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N48056

<400> 472

```
atataatatt caactttatt tcaaataata caatttttaa atttatcaat ataccattata 60
cgattctttc tgagtgcacat accacacaaa ttcaatacgg attctctaaa gaatcctctt 120
aggctacttc actcaaagtc tctgcagctg cctgcactgt gaaggctgca acataaatct 180
gtctcttcac ttctccccag gccttggaag ggtccacttt gctttcaata tcaaacagag 240
catcataaat tcctgggaat gactcccctg catacttggt gtggctgctt ggagcataga 300
tgacatgcct ataaaaaggc ctgtctggta accctaattg atcaataaat gctctttcca 360
gaaacatgag ttgatcattc atcattctta atactattgg gttgcttttg gtcaaagtcc 420
tggagtctct cactgaactt gg 442
```


<210> 473
<211> 475
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. N49899

<400> 473
ttccaacaac atttggttta taaaggaata caaacaggca caaaacatgg ttcagaagat 60
ttattaagta aacttgctaa aatatggaca gatacactta gcagtcaaac agttgaatat 120
taattgctac ctcatataag tttttgtatc tgtattacca ggtccaaaca taaaaaccac 180
ctctgtttcaa aaaataaatg ttcagagagc tgtatgttct ttgttcttgt atgtacattt 240
taaaaaaaca cctctttcca gtcttgctaa ccaagaatat tagtcatata aaagaactta 300
gaattttttt cccaagtac aagctatctt ttggctccaa aacagttctg aaggttttat 360
ttatatattta tcttatcccg agggaccaac agcagggcat acctttggcc aggccttctt 420
ggcagaaaga cacagagccg taaagggaaa aaataaaaatt gccataaagg tatag 475

<210> 474
<211> 474
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. N51529

<220>
<221> unsure
<222> (1)..(474)
<223> n = a or c or g or t

<400> 474
gcaaaaaata aatataaaat ttattaaaac acccacaata ttttaaagat accaggagta 60
atacagttca caaacccagt tgtttggtga aattataata aaatacaaat caaaaaggat 120
acatacttgc aattttctagg caccctaaat taaatttact gaaacactga gggagaaggg 180
agggttaagga ggggtagctc aggaggcaaa ccaataaagt ggaaggaaaa aatattaaca 240
aaaaggtaaa aattatacaa aataaaaatta tcagcgtaaa tttactgtac taagaatatc 300
tacagtttaa tacacatcct attgcccttg agacatttgc aaaaatctac cattcatcca 360
tcaaccccag attaaacttc attttcaagt agccccagtt ttaccaagtc nagacnggaa 420
tatttccagt atggggttgtt aagttcacct ccantgggag gccagttac ccaa 474

<210> 475
<211> 507
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. N52254

<220>
<221> unsure
<222> (1)..(507)
<223> n = a or c or g or t

<400> 475
tttctattaa tctttattta tatgatgggt ctctggaaag cacttcattt taaaacctgt 60

```

ttctgagata agtagcataa ggcgcatTTg aagaaatact attgttgtat cacagagaac 120
ttccatgcct tgaaatcatt tttttcagag tattattaat aagatggTct agctatgcag 180
agcaaaaaag aaaaaaaatc ttcaaaagcc aagactgtca ggcacatgaa ggtatgcata 240
aactgtcttc acattttaatt ttgtatgatt cgggagatac ctccatgtac atctaaccag 300
gtcaggcagc ataagtcctc agtaaccctg gggTgtgccg gcttcaagcc aaagtattct 360
gttgagtttg gtttgtggag agacatttga aatgttgctt catagcttcc attttctgga 420
gaagtggaag aaatgaagcg tnaaaaggcc taggaaatcc tcgtcttctc caggctcttc 480
ttctccttct gcagnttcct cctcctc 507

```

<210> 476

<211> 166

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N53359

<400> 476

```

catctaaaag tggTTTTtta atatatatat tttttccaaa ggaagaaatt tcttgctttt 60
actcagggaa aaaaaaaaaa ttaaggtaca tttgagtaga atgatttcat ctaaaagagt 120
tctttcagga gacatctgtg attcactgca ttgtttttat tttctt 166

```

<210> 477

<211> 380

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N53447

<400> 477

```

gtatagagta aaatttatta tagggTtgta gaattcatac aacctaaact ccttacagca 60
ttcagcacct acacaatttt gtgcattcca aatacagata gtagtgagaa agaactcactg 120
cattagttaa aaatgactgt ctcatgaaaa ttcgTtcaca tataagtcag gttaattaca 180
gagcacctaa cagaactgca aagatgtaat ttctaaattc aagaaagTtg tacaaaatga 240
aaaacaaaag aaaccaacaa tgttgagatc tgatatattt tacacaaaaa gttcaaaaac 300
aattttaaatt atttcaaatt ttaaaattgc tccaccataa gatgaataaa gagcttactt 360
aaaggaaaag aaaaaaggaa 380

```

<210> 478

<211> 400

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N55502

<400> 478

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ctgtgaataa aacttttaatt aatgtacagc agaaattgga caggctcatt cttatatataa 60
aacaaaagat ttcctatatt acaatttatt tacatttgca tactgaagag gtaaagtgtc 120
taagtggcta ttttacagtc ctttctaata aaatgtacaa aaacaaacag aagtaccgag 180
aatgccgttc gggggccttt atggcgacgt aagaacgggc ttggacttggt tctgtgaatc 240
cagaatccag aggtgcaggt agcactactg gatcagggtt agcctcgggg ggccaaaaac 300
acggcttcag tttctcccca actctcactt agtgTtaaga gtggcagagg tgggtgtggg 360
agcttcccaa agacctgctc catcttcccc agaggTggaa 400

```

<210> 479
 <211> 430
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. N57577

<400> 479
 ttccctcagg tggttaaagg ccaccaaaca aatactgggc aacagggggt tggttgggaga 60
 gttagaaata aaaaattaac caaatTTTgt ccctgtgtta attcaatgcc agcaaggagg 120
 caagtactga agaagaaaag ggacaatttt cataactaaa aagaattcct ctaatcatgt 180
 caccatctca tataatgaat ccagggaatc ccagaaatag aaaattagtt tcaggggacc 240
 cctgaggcac tttaaagcct tttaaaaaat tacagtaata ataaattaga tattgctctt 300
 cagaggctaa cagagcagca gaagcatcaa gatcagggtcc aaagagttat gcccacattt 360
 acaggcttcc tggagctgct cagccctctt ttaaagctta gttgaatcct ttaaaatacc 420
 ctttaaaaag 430

<210> 480
 <211> 369
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. N58172

<400> 480
 cctgaccgta ctctcaaaa tccagattgt ttgtgcatac atttaaaaaa aaaatcaatg 60
 gaaatttcca cctttgttcg aacacataaa gtatgccatg agcaatataa catcacaaac 120
 gtactgtgac aaaccattaa taaagaagga ttactaagcc aggtgtgggtg gtgcatgcct 180
 gtagcccagc tatgcaggag gctgaggcag gaggatcact tgagcccggg agtttgagtc 240
 caccctgggt aacacaccaa ggactccatc tctaaaaaat taaaattaaa aggattactg 300
 aaagatctca tttctaaaaa aagaaaaaag aaaaagatca ctggaagtcc agacatgata 360
 tttttaatt 369

<210> 481
 <211> 445
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. N59532

<400> 481
 ggcaagtaag aaggaagttt aatTTTTTTT tcaggattca gtggagtcca ttaatgcata 60
 ccaggggcaa agatcagccc agggtaaggc aagtctggga ggaagccac cctgccctac 120
 agcagccctg gaactcagaa taggtggtga gtctgccatg gtttgctact gggcagcaca 180
 ctagaccaac ttgggaatgt ggaagagtga gtctatgttc cctcagccat cccaagttt 240
 acacacaggc atagcagccc tactgtgagt cagcaatcat tctgacttg cagtaaggac 300
 aatttgcat taccgaaagc aaactggagg gggtagccta agtccgcact gcccattgta 360
 ttaccctttg caatgtgaaa aaccatggtg aggtagggtg ggcagggttt atcctctcca 420
 caaaggtag cctttgctcc acagc 445

<210> 482
 <211> 473
 <212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N59831

<220>

<221> unsure

<222> (1)..(473)

<223> n = a or c or g or t

<400> 482

```
acctataaat atatttttatt cataactttta aatatttttac aattcaaata aaaaccttat 60
atgtagacaa tctgggctaa atttccatgt atgttttgaa aaataatggt agcatgaata 120
gattcatatt taaatatgat tttaaatact cttaatagag gagacataag aaatattttac 180
ataaaagcta agtagcatga tacagctcat ggttatttttc ctcataggaa aacaattact 240
tgattttttt tttttgcata ggattaagac tgagtatctt ttctacattc ttttaacttt 300
ctaaggggca cttctcaaaa cacagaccag gtagcaaata tccactggcn ctaaggntct 360
caccaccact tttctcacac cnaagcaata ggtaggnatc caggncacc cttctgaggg 420
nccggaagga atgggttccg gaaaataatg gnttttaaaa nattaccatt aag 473
```

<210> 483

<211> 441

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N59866

<400> 483

```
gttttttttt tttttttaat acaaaattta ttttatttct atgtactaac aatgaacaat 60
gggaggtatt tacaattaca gtcaaaacca taaaacactt agaattttac aaacttcaag 120
acctacacac tgaaaactat aaaacatttc cgagaagtca aagactaaat aaatggaaga 180
tgatactatg ttcatacaatt agagtactta atatgttatt aattctcact aaattgattt 240
atagattcca tacaatcctg ctcaaaatcc cagcaggctt tattctgggg aaatattgac 300
aacctaattc caaatgttat agggaaatgc aaaggacctt gaacagccaa aacaacttga 360
taaaaggaca aaattgaaat ccttaaattt gactcccata tttccaacaa atctacagta 420
attaagacaa tggatatagg g 441
```

<210> 484

<211> 419

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N63047

<220>

<221> unsure

<222> (1)..(419)

<223> n = a or c or g or t

<400> 484

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nttattttta ataaatatatt taattctatt gttgacattt acaagtagaa agcatacagt 60
atgttacaaa tatcaaatg agaaaaatat gaatgttaca taagtaacaa atataaaaaa 120
agtattttct taccttcctt gaaagtaaga aaactattca gcataggaaa atatcagtat 180
caaaaacaca gcttaggtgt aaaaaaagtt ttacacagt atttaaaaaa aatgatctac 240
```

aaaatgacaa agtaagtgtt gaaatctgat ttcataataa ttataaaaac tgggtactta 300
gagtaaatgt tatctgggtt gaaaataagt ccaatcataa gctttcctta ggtcaattct 360
ttaaaatatt aaaagcatat cgaaaaattt tccaataaat aaccttnaag aggggttcc 419

<210> 485
<211> 189
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. N63536

<220>
<221> unsure
<222> (1)..(189)
<223> n = a or c or g or t

<400> 485
nagcaagcaa aaaactacct ttatatatga tggtattcaa atacatggat aagataacac 60
atatttatgat gtaaaaagta atatttataa attaaaaggc aagtctttct ggtattcaga 120
agtctgaagc aaccactgtc cagctcttta aaaagagcac attccattct ggtggcacac 180
aaatgtaca 189

<210> 486
<211> 523
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. N64683

<220>
<221> unsure
<222> (1)..(523)
<223> n = a or c or g or t

<400> 486
acaacttttt taatatatat ttttataaac aggtcacgtg ataaaatagc acaagaaaca 60
cttaccaaat ataagggtat atcttccgca tatacaggag aatgaggctg ttatgtacaa 120
taagaaaatg attttagggg ttggttggtt ttgttttcct ctctcccctt aatttttcct 180
cctacagtcg ttggaaatat cacagcttca gttgcattaa tactttgggc aaatggacag 240
ctgccccctc ccactagggg tctgtgggga ggaggggctg gagaaactgg ctctgacca 300
ctcagccctg gagcttcctg gggctggcac tccagggaca ggaaaatctt tgggctgttg 360
atctgtttct gattcaacag catctctctc tctctttncc ctctctctcn cagtctcatt 420
ctctctctca ctctctggct ctctgggaaa cgggtactct cttccaacca gataggaggt 480
gtcccaagat tgggtgtggg gcgcggtatc tctgggggnc ttt 523

<210> 487
<211> 401
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. N66802

<220>

<221> unsure
 <222> (1)..(401)
 <223> n = a or c or g or t

<400> 487
 ttttttttca ggccaaacta aagcttttatg ctataaaaac aagaaataaa ataaggagat 60
 ttataggccg gctgattgtc agcaaacaca atatatttac tgtattagca tttgctcaca 120
 gtgcaaattg tacaacatta caccatttca atatttcggt ttttaaaaat gctgttttca 180
 ttaactatat tatattggca ttacaatatg acaaaggagc aaatgaaatg ttggtgaaga 240
 atttcacctt ttcacaatat caagcatatt tttttaacct tagtataagg tactataaat 300
 ccaagaaata aaaacatcca caaaatatat tacatctngg tttgtctttt ttctaagtac 360
 tcaactttat acaaaagtct ttcaaaaaat atcatttccc c 401

<210> 488
 <211> 451
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. N67041

<400> 488
 aacatttcat ggaaaacttt ttattgggtt tctggataga aacaggaatt tatttgccag 60
 gaagaatgat cccatcatatc ttcagctaga accagtgatg aggatgattc agtcttaaaa 120
 aagaaggaaa tccagtcata agctacagca tgtatgaatg ttaagtgaag tacgccagtc 180
 acaaaagaca aatactgtgt aggtatccaa agtaatcaaa ctcataagaaa cagaaagtag 240
 aatacttgct gccaggggtt gcaaggacca ggaaatggag agctgttatt caatgggtat 300
 agtttcagtc aagtaaaaata aaagaagttg tacaacaatg tatatatggt taacaatact 360
 gtattgtaca gttaaaaatt aagataaact tggatactta tttttaatgg acaattttta 420
 aaaataggtg tgggtaacaa tttccaatgg g 451

<210> 489
 <211> 231
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. N67575

<400> 489
 tctatttaga tcggatttta ttttgcaata tttattatat attcaattca aatgtactca 60
 ctatttgtgt aggcaattga aagtaaaaag tataaagctg catthttgcgc tctcagtgag 120
 gtthtaagtca gggaaatgag gcatgcacac aaaataacga gaaagtagta taatagctgt 180
 gatcattagt tatcaaaata agtgaatgag ctaataatca ttgttagaat a 231

<210> 490
 <211> 334
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. N67815

<220>
 <221> unsure
 <222> (1)..(334)

<223> n = a or c or g or t

<400> 490

```
tttttttttt tggtaaagac ttttaagaga aagaagtatt ttaaaaagta gcagtgtctct 60
gaggctcagg gtgtaggatc gggggcacag ctggtcccgg gaggcccctt gtgcacagggt 120
ggtggcccag ggc nangtgc tcgctcttgg gggacgcgcg gccgggggac ngccatcgtn 180
tccggcccgg ggctcccggc gggctccggc ggcagggaca atggcgaggc cgctcaccac 240
ttnaggaana ccatcccggc caggacggtn tagcccagca ccaggaagag gaccttnagc 300
anacgggtcac tcttctctc canctccttg gccca 334
```

<210> 491

<211> 478

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N67876

<220>

<221> unsure

<222> (1) .. (478)

<223> n = a or c or g or t

<400> 491

```
agtcaagtac tttcttaaaag aaacaatagc accacattgg catagctggg ccaaacaata 60
aatgggaaag caaaatgtgc tacatctttt attctaagcc ttctcccaag tgcataaaat 120
agtaacagaa accctggagc cacagagcat gagatcgggt tcatctacac aaacattgac 180
gttccaagga gaggaaggat tctcaagggt ggacaggctt tttgtttgtt tgtttgtttt 240
ttaataaaat tttcaaggaa gtgatttctt ttcagtattc cattggatcc ttagggtgaa 300
tgtgtgtgtg tgtgtgtgtg tgtgtgtgtg tgtgtgtgtg tctgtgtatg taggggtgggt 360
gttaagagat tttcatatcc ctaagaaaga gtggattcng atggagagct gcattaactt 420
tttcagggga actgcctcat cttaaaaagt ncaaattctcg tgccgaattc ctgcagcc 478
```

<210> 492

<211> 415

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N68350

<400> 492

```
accggctaaa agctttaatc cagagcctgc cctactctga tagtaccaga gtggagggca 60
gaataccaaa tgtccaggaa ccaaaggcag ggctgtgggg acctgaagag cagcacagtg 120
gggcccgtgc tgcgtgtgggg gaaactgagg ctgggagctc agcagagacc ggtgtcaaga 180
gtctctggga actgcatagg cctgagggaac atgcattttc aagttgtcca ttgatggttt 240
cgtacctgaa tttctcacct tttgtgaaca tcttgggagg gtggggggtt tgcaggggtg 300
ttaaaagcaa ggcttgggag cccctttcct ccagctgggt gctccttctc agggcctggc 360
ctcattcagg ccactttgta gagaaatgcc ctgacctcgc aggaaggatt tcccc 415
```

<210> 493

<211> 285

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N69207

<400> 493

```
tttcttttatt atactttttat tgttttgttta attcattttt gtctgtttaca aataaatttc 60
aaactagaga gtcacagatg ttaataaact cgcccaatgc atcacctgcc tccgaattcc 120
atagttttcca ctgccttgcg ctacttgcat tctgattaga gaatggtaat gtgtgcctct 180
ctgaatcaag ttcaagaata aatgccctat cctgggctaac acggtgaaac cccgtctcta 240
ctaaaaatac aaaaaattag ccgggcgacg atggcgggcg cctgc 285
```

<210> 494

<211> 293

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N69222

<220>

<221> unsure

<222> (1) .. (284)

<223> n = a or c or g or t

<400> 494

```
ttttatgagc aagcgtgggt tattttcataa atgcaagggt agcttaacat tgaaaactta 60
atctaattta taattatgta aatgaaagaa taaaaataat atgatcacgt taatatttac 120
agaaactgca tttaataaaa ttcaacattc attcatgatt taaacaataa aagaaaactc 180
ttaacaaata agaatagaag anaccttcaa cagtctgact ttaaaaagag aaagccccag 240
aaagcctatg naaacatttt acttaatggt aagataaagt ttttttctaa aaa 293
```

<210> 495

<211> 320

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N72253

<220>

<221> unsure

<222> (1) .. (320)

<223> n = a or c or g or t

<400> 495

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cctttttctt aaggaatcca ttcatgttgg aagcccagat tccctaacat atgcactagt 60
ggttggctct gggaagtaac agtcaccaga gtctggaagt tcttcgcttg aactttgagt 120
agccactggt actattggaa gccagatggc canggtattg gnaaatgggc aaggggaaat 180
ccaagctgg gctcaagagc cgtggggttag ggaagaagaa ggtcaagtgg actggtaaaa 240
attctacttc aactgccctt attcatagat acaactttcc taacagtctc actctccacc 300
agtcccatat ccacaacca 320
```

<210> 496

<211> 465

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N74291

<220>

<221> unsure

<222> (1)..(465)

<223> n = a or c or g or t

<400> 496

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agagaataaa acttggattt attcagaccg tatgcttccc atttgggggtg cagagtgggg 60
gacagtcatg gggacagaga aaggcagtgc atttggcttc tagggacatg ctgattgctg 120
actctttggg tgacctttgg gccaccagat gaccagctga atgatggaga tggatgatgaa 180
ggggctggcg gccaggtcct tctggagacc tcacagtgat tccaaacaga gaccaacgct 240
gtgtccagtt ggctctgttc ctctccaggg attaaggagc agatggctgg gaacactcag 300
actaattaaa gaaataaaaa ctctgggtag agggacactc tggggggctc caattcaggc 360
agtgggtgtg aaattcacac atgtcgatgc gtgggccagg cccgtgtgaa aaacatgtgt 420
gtgtcngtat atattacatc ctccacaagc anctggggagc cccca 465
```

<210> 497

<211> 212

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N75870

<400> 497

```
tcagcactga tggaaaatac cagtgttggg ttttttttta gttgccaaca gttgtatgtt 60
tgctgattat ttatgacctg aactgattat ttatgacctg aaataatata tttcttcttc 120
taagaagaca ttttgttaca taaggatgac ttttttatac aatggaataa attatggcat 180
ttctattgaa aaaaaaaaaa aaaaaaaaaa aa 212
```

<210> 498

<211> 229

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N75960

<400> 498

```
ttaaattaat agatcaaaag ctgctcgcat tacagagaca accaatagta tgaaaaaacc 60
agcatgctat caccaaaatc caaactaaga aaaactctac aaggtaaaca acacaacttc 120
ttcaacaaat atattgtaag agggcagaga gatgctgatg aaccaatagg tgagtgaacc 180
ccaaacctgc agcttcagat cacctgggaa tttggtagag atgcaattt 229
```

<210> 499

<211> 440

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N78630

<220>

<221> unsure

<222> (1)..(440)

<223> n = a or c or g or t

<400> 499

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gtttattaaa ccagatttat tctccacaag ctgaagatac ctgagggttac atgaggactg 60
gcattaaata atttataaat gtattttttga ctgacagact tttatcataa ggattcatgt 120
gtttacaaaa gcaaaatcca acctctccag agctagaaaag tgggaagggtg cccgggctgc 180
aacacagcct tgggggagga tgaggccaca taattctctc tgcccacact ctcagaatgc 240
ccaagaagt tagtagctac acaaagccaa gccttggggg aaaacctggt ccgtggtgtg 300
gactctccaa aatgcagacc caaccggang ccgggcccgc ctttccatct ggaggcactg 360
cagggttctt gaaagcggcc catcccagga gcctggcaaa cacccccaga gaccctcagg 420
atgcgcagcc ccggggcttt                                     440
```

<210> 500

<211> 144

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N79070

<400> 500

```
catttcttat aaatttatta cataataata ttataataat tattatcaat aataataata 60
taagaaacat agatctctgt ggggcgtatc acaacgtcag ggtcaggagg cctcaggact 120
ggagcagggg gtgaaacccc ggga                                     144
```

<210> 501

<211> 446

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N79778

<400> 501

```
atgttagaaa attttaatat atgatttttg tagggccaat acatagtaaa gacatagctt 60
tatttcaatt gaaccgaata aaatgatgta tttcagtaaa ttaaggcaaa ggagatagat 120
gctatgacca gtggtgcaaa atttttcaaa aattttataca ttagattttac ctttacaagg 180
ttatagtcaa gaataattaa tttgtatttt aagcaaactc tactgctttt caaaaaaatgt 240
cttaatcttg agtgaggaat agtgaaggta atcttaatat actgtttaac tttaaaaaat 300
aatttttagaa ttatagaaaa gtttcaaaaa gagtatagaa tttatgcaca cccttctgcc 360
agctttcctt aatgttaaca atgtacataa ccataatatg attttccaaa accaggaaat 420
taacattaca gtagtgtttt aatttt                                     446
```

<210> 502

<211> 409

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N80129

<220>

<221> unsure

<222> (1)..(409)

<223> n = a or c or g or t

<223> Genbank Accession No. N91887

<220>

<221> unsure

<222> (1) .. (154)

<223> n = a or c or g or t

<400> 505

atattttatta ttttattgct acattggaag tgaaaataaa ctgtaagaag ctgccaaagg 60
atgcaacttc atgaagatta tgaaactatt gaggcaccca ttgtagaaag ttaaaattgg 120
cttatcctgc atgaggtgga agcnaaggcc tccc 154

<210> 506

<211> 169

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N91971

<400> 506

gttttgaaca cagatcactt tattggcatg gctttgtttt aagaaaagga aaagtgacaa 60
agccaagaga cagactctgc taacagatgc ctgggggtgg ctggacattt ttgcctcatg 120
ctgtgcaaag aggggggatcc tggcccacac atcctgctga ttccttggg 169

<210> 507

<211> 139

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N91973

<400> 507

tttttttttt tttttttttt atggggcagc ggggggtcttt attcgtcaga ttttccttct 60
tggcctactc cccaggtgtg gccagggata gtccatacag tgtgggtact gcaagggtcag 120
gatggccagc agacccagt 139

<210> 508

<211> 395

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N92239

<220>

<221> unsure

<222> (1) .. (395)

<223> n = a or c or g or t

<400> 508

tcagaaaact aaagcagcac ctttatttta tacatacaaa cagtataaaa tgtttatttag 60
gtaagagctg tgttttgttt acaatatatt atattgcttc aagccaatgc aaaaagttca 120
tacattatat tccctatttc attgtgttta gaatatatta tattgtttta atgccantac 180
cacagtgtaa tttttttttt ttttaactg aatctctgga ataatggtaa ggtcaaaaata 240

tattgtattg agagttttaa aattaagagc aattttttaa aatgtaacaa acatctaaat 300
 atctgacaat aaaatctgaa atgctgtaac ttcaacatta actgcaccat ccaaattctt 360
 gtgacttacg cattttgccc catttaacct ttctg 395

<210> 509
 <211> 510
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. N92502

<220>
 <221> unsure
 <222> (1)..(510)
 <223> n = a or c or g or t

<400> 509
 ttttttatac aaacaagttt cttttattgt ttccacacat tcataataac tatagaacag 60
 aaagattggt ttaatttgct gtcctacttc ggtgacctga tgaatacact ggtaacagtc 120
 cccagtttga gtaagatcag ttgaagccct tactgtataa gtccaaaatt taagaaaaat 180
 gaatctcacg atgagcttcc tcaggcttcg gccgtgctg gaccagtcag cttccgggtg 240
 tgactggagc agggcttgct gtcttcttca gggtcactct gaaagggttg tctgggcttg 300
 gtcttgcttc ccaggtttca cgcgctgcag gttttacatg gctgtggtgg atccaggctg 360
 ggattccttc tacttcacag cgggtgggagg gctcagaacg acagctgggg tctttccaca 420
 gtggacacaa agaggtacgt tccagttctt gatcaaattng atcactgggg agaaaagggtg 480
 aactggggag aataantaac aggccattta 510

<210> 510
 <211> 270
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. N93798

<220>
 <221> unsure
 <222> (1)..(270)
 <223> n = a or c or g or t

<400> 510
 cacggctcct gttttattgc cttcgggtgt ccggagcacc tgactgcccc ggggtctaat 60
 aatttaaggt gccgagaaca ggtcaggaca aggggtcgca aaanaggggc tgggggcagn 120
 tggttacaaa atataccccc accccacaac aaacaggcta gaggagacca gcctggctgt 180
 gtcggggangg ggcgggcaga gggcgcccga ccagccttca gagagacaga gccacggcca 240
 gcgccccaga gggagtggcg gagacaggac 270

<210> 511
 <211> 399
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. N94303

<220>
 <221> unsure
 <222> (1)..(399)
 <223> n = a or c or g or t

<400> 511
 ttttttagca agacaagggtg tttttattga ggtctcagga attgcaattt gggagacaga 60
 ttcagctaga agccacttgt gttctgaaga gagagggtag aggaggggtt tttaaaaaaa 120
 gctgagggtg attagacaag ttgacaagtt gttttgaaag aggcaactgg cttagtacaa 180
 aaatccatag tttattgggtt ggtgctgttg aggagttgta gtgctggtga aataaaattt 240
 tccaggatgc agtgggtcatc gcaatttggc ccaattcaaa ggttcaagggt aagctcctgt 300
 attgtttttt tttttggagc ttttaatttt ttttcaagtt gcagggtcatg tagggagtcc 360
 nttttaagaa tggcttctc cctccaattt agagttcct 399

<210> 512
 <211> 508
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. N94424

<220>
 <221> unsure
 <222> (1)..(508)
 <223> n = a or c or g or t

<400> 512
 tttttttttt ttattattta gaaatgtaaa catttattta aaagtaggta gcaagttaaa 60
 aatgaatact tgcctgaaat cataaaacat aatcaagttc tttttaaaac agttaatttt 120
 tttcctataa tttactttca tcgaaagtat attatctttg ttttaacatgc tagatagaag 180
 caatttagca acataaaaata tattagctat agtatgttca aaagaatgag aaatataaat 240
 tcagagatga gaccatcatt ttttgcagtt aaaaaaaaaa atgttgattc tgggtgcaaca 300
 tacactgatt atccagggtt tacatttttag ggctgaaacc ctgaggaacc tgctgggtgac 360
 tgttttagcac tngagcagag ttcagtgtgg catgcgcttc ccagagttaa aagcnaaagc 420
 agactggaga aacnaaaaac ccacatcctt ggcatttcng aggttttcac ctggtaatcn 480
 tagggtttcc ccaatttatt agaattgtt 508

<210> 513
 <211> 462
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. N95495

<220>
 <221> unsure
 <222> (1)..(462)
 <223> n = a or c or g or t

<400> 513
 tttttgccaa acattagagt ttgttttatt gcatgacgtt tgcataagaa aaaaagttat 60
 tgaaaactgt aaggcatcat gcaatcattg aataagctaa ttattaactg tacacttaag 120
 ataggtggac atataatcta aaatttaaaa actagttcca gaaaagtaca taaaaaattt 180
 aacatgatga gcttttaaat atggtttata gtttcatgtt gttaaaaagt gcttcaaatg 240

tactgctgga aagttgctct ttacaaatgg cgctgggggtg atgtcagatt ataaactgta 300
 aaaaccaagt acttttatgg aattagaaag ctaacattgt gatccccaac ttcttgaacc 360
 agttttcaat cccattcaa attaagttga ttaatattaa taactaaaaa cactgggtta 420
 tcccccaaa ggcttggatc cagtagnctg tggccaccaa tc 462

<210> 514
 <211> 197
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. N98485

<400> 514
 tttttttttt tttttgttat atacatttta ttgaaaaaaa attttacaac aaaatatattt 60
 ggcaaactgt aaaagtatac ataagtgcaa atatatcctc cttttaaaat acaagcaaag 120
 tgtgagtata cacggtcata aaaatatctt taaaatatgg tggtagaaaa caaccttgta 180
 aaaacgttgt attgtcc 197

<210> 515
 <211> 340
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. R00144

<220>
 <221> unsure
 <222> (1)..(340)
 <223> n = a or c or g or t

<400> 515
 tctaaaatat aattgtttat cccaatgtca ctccacccag gctgcagtga tggcnaaatc 60
 actgtaacct cgaacacctg gcttcaagca agcctcccct aagcttccca cactgttggg 120
 attgcaggca tgagccacta ttgtctgagc agtggctctt cctgcaggct ggcttaccct 180
 ctgcatccca cccatcctgc aggtgaggct gaccatgccc ctagggtcca agagtcaagg 240
 gtaatgaaca caccatcac ctntcaaaag tgacgggtct gtcctcatca atatgaggga 300
 ntttcctcan ttcctggcat aatcagctca ggggacacaa 340

<210> 516
 <211> 417
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. R01257

<220>
 <221> unsure
 <222> (1)..(417)
 <223> n = a or c or g or t

<400> 516
 aactattctt gttttatatt ttattatact ggaacagctc gtgtcctctg tctcttgcc 60
 cggtgcctgg gtggcttgcg cccacnatct cccccctttt tattaactag aatcgccatc 120

gccatcattg cttgttggtg acttcggact tggtttcgga ctccttagag gcacctgcag 180
 actaaaagga gacaacataa gcataccaat attaataatg ccagtaacaa caatgaccc 240
 ctgacggggt tgagccattt gaagggatta aaatcagggt aattgttttag ttatgccttc 300
 aaaaatgtgt gagccaggga actgtgggat aaatggggct tgtgaagcct ccaaagattt 360
 gctctttaag gttgtggaaa tatcccaagg gttaagggtta tcatcccnng gggtttt 417

<210> 517

<211> 258

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R02003

<220>

<221> unsure

<222> (1) .. (258)

<223> n = a or c or g or t

<400> 517

tgantntca tagggctcgg cgtgggaaca gagcgcagga gtctgggggtg ctccaccggc 60
 ggggaggggg cgcgaggtcc ctctggggg gatcgggggt gctaggcagg ggtggtggcg 120
 caagaagggt ctcgaggacc ggggggtctg gaggtggagg agtctcagca tcttgtttcc 180
 tgtgctcctt cccagcaggt gcaggccctt ctgcctgggg tcccctctgg aaggccctcg 240
 gtttccccgg cgccaagg 258

<210> 518

<211> 294

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R08850

<220>

<221> unsure

<222> (1) .. (294)

<223> n = a or c or g or t

<400> 518

ttccnaaanc aggcagttaa tgtgctgaca tagtaacaag gtttgaagga ggaacatctc 60
 atgcacgtgc gtggaaaccc aattgtcatg tgtatgaact acaaaaggat ggggaaaaga 120
 acacatttcc tcacaacagg antacatgag attagaaaga aaaccggant gaggtagatg 180
 catgantgca cagacaaggn tatgtgacag gaagctgggt gacattttgc atctgacata 240
 gcagtacacc tagagagccc aaggaantcc acccccaagt taccagaggc aaga 294

<210> 519

<211> 413

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R09379

<220>

<221> unsure

<222> (1)..(413)
<223> n = a or c or g or t

<400> 519
ttggnttgag tttggccttt cctactgcag ccagggtgaga gcttaagatg tcagtcccca 60
atatcttcac agagtgcctt tatgaccagt ttggagaatt acgatggtaa ggggaagagg 120
cagatatgaa gaggaatggg taggggaatt gtcattcata actctgtgct atattacttg 180
aggggctaag aaaaatgtat ggtcagtgaa acacagtagt gtacccttaa atgccttata 240
aaagaccatc catccagtct gcgcttttga ctgtgtgcaa gtatcagtaa taatgctttt 300
ggggggctca gatgaacagc gaacacccaa tcagccaggg gctctgggaa gggaaagctc 360
ccaaaaatga ggaagtcctt tccaacaccc atttttccca ttactgttct cac 413

<210> 520
<211> 319
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. R10896

<400> 520
ttaagccatc caagtaaaaa aaaaaatttt aatttaacaa tgaaaaagga acttcaaagg 60
gtttatgcca aaaaacaaac cagtcctctg cagcctaact catttgtttt tgggctgcga 120
ccattgtaga gggcgatcag gcagtagatg gtccctccca cagtcagcgc catgggtggc 180
cggtaaagca tttggtcagg caggcctcgt ttcaggtaga cgggcacacc atcagctttc 240
tgaaaaaact tttgtagctc tggaactttg tttttccag cataatcata ccctgtggga 300
atcggagggtc agtttagtt 319

<210> 521
<211> 318
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. R11526

<220>
<221> unsure
<222> (1)..(318)
<223> n = a or c or g or t

<400> 521
tttantagcg cgaccatttc tttattaaat tatacaaaan ggnnggggag gggggcagct 60
gtggggctcg gcaanaccn ggccccaccc cggcctggcg ctgtctgaga agaggggatc 120
tgaggggagat ccagggatca ggcaggatag ggatggggca ggacatgagg ctgggggatg 180
cagaggtttag gtgggagagg ctaccngaga aggaatgagg ctggtagggg agggagaaag 240
agagcaaaga gagagaggag caattggggg ccagctggag agctcagatg gagcagggtca 300
ggaggtggaa caatggca 318

<210> 522
<211> 362
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. R15108

<220>
 <221> unsure
 <222> (1)..(362)
 <223> n = a or c or g or t

<400> 522
 tttttttttt tttttttttt ttttaacggta gaaccaangt ttattaatga cagcctttat 60
 tacaatcact ctcaagtgtg aaaaataaag ggtgattaat taatatttaa aactcactcg 120
 gacttgctgt ttggcctttc agtggatgtg ccaaagggaa gggatcttgc ctgattctga 180
 atcaattggc cagatggagt tcaactggaga atgaggcaat caacaaaaaa gacaaatgat 240
 gccaaactgga gagagctcgt gtcttctcca tgttggaagg acattacaaa atggcaactn 300
 tgggtggggg cagagatgaa gtaagacaac cttacagtcg gagtaagatg tgaataccct 360
 tt 362

<210> 523
 <211> 416
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. R16983

<220>
 <221> unsure
 <222> (1)..(416)
 <223> n = a or c or g or t

<400> 523
 ttgcagagac aagtgaacat ttatttttgt acctttcttc ctatgtgtat ttcaagtctt 60
 tttcaaaaca aggcttgagg aatctccaga ttcaattatg tccctgggct ttgtcgacag 120
 ctgcaggagt cttagggagc cttgtacaaa tgctagagtt actcatttac caacattaaa 180
 cccgagaata gaagatgcaa caaagcaggt ttccttcctc catgggaaag tgctgatttc 240
 agacaagggc agcagccaat gtaggaaaat gctgggaatt tttccttggg aactgggact 300
 gtggatgaga ggggtgctttg cccatggaac cataaggcta ctgtcttttc ttttgggnccc 360
 ttccctttcc cagggtttttg gaaggnataa aggccgggaa ataaatcttt ctctgg 416

<210> 524
 <211> 234
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. R25410

<400> 524
 gtggacaaat cttttatttt ctgaagacaa gtgatttgaa gtccagactg aatggcattt 60
 aagaattagg aatcctgcgt gccatcctgg agtgaattaa actaaattag agtccagaat 120
 atgcagcttc ttttaagaaaa aattctcctc tgaaatattt tctttcccac tgcattaagt 180
 agtgttcctc atgagacatc tggaaaacat tgattgttaa aatgtgggtc tggg 234

<210> 525
 <211> 419
 <212> DNA
 <213> Homo sapiens

<220>

<223> Genbank Accession No. R28370

<220>

<221> unsure

<222> (1)..(419)

<223> n = a or c or g or t

<400> 525

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anatggatat tagttcttta ttgagaatca gaaatatattt aaatttacta aattcagagg 60
tagtcatggc ctctcccca taaactttac agtcttagac aatttgtgca ttttaataaa 120
ttcttagtta tagtattaaa gaaagtggct gggcgcgggg gctcacgcct ggtaatccca 180
ggcacttttg gaggtccagg gcagaggcag ggcagatcat gaggtcagga gatcgagacc 240
atcctgggct aacacgggtga aaccccgctct ctactacaaa cacaaaaaaa ttaggccggg 300
cgtgggagac agggcaccgg taggtcccgg gtacttcggg gagggctgag gacagggagg 360
aattgctttg aacccgggga ggccaagggt ncagttnagg cccgagattc acgggnact 419
```

<210> 526

<211> 431

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R31679

<220>

<221> unsure

<222> (1)..(431)

<223> n = a or c or g or t

<400> 526

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acttccaaga tnaacatttt tctgtttatt cttagaatgt gaattttttt tttcaactca 60
gggccaagta caaacttttg atttttgaaa ttttttcaac tcagggccaa gtacaatctt 120
ttgatttaaa aatttttttt catgaacaaa ccatcagtag ttattaagga gccaagaaa 180
taggagatgt gaaagcagga tttctttgtg tttcctttga atgttggtat tttgagtatt 240
atcattatca gggtaggagg gaaggaaagg gtagggctgg ggaaggtagg gtccttatgg 300
atatcttgac tatgggatcc ccaggattta catttcacct ggtcacagng gcacacataa 360
tttaggataa acatgttcaa ggaatggaca taaacagagg ggtaaacaca ggggggcttt 420
acatttgggg g 431
```

<210> 527

<211> 247

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R33627

<220>

<221> unsure

<222> (1)..(247)

<223> n = a or c or g or t

<400> 527

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aaaaaaaaact tttgaatcat ttattctttg gttgtctaca nagacactta agtactgtat 60
cgctgtcatg cagcggcctg tggaggccct ggggggtggct gggcctgtgt cctgagccct 120
cagccagatc caggggggtgc ggtgtctggt catgtccact ccaagagcag tagcaccatg 180
```

tagaaggctg tgagcagggt cccctcggct gagtggcaga tgtaggctca ctgctntgca 240
gccccaa 247

<210> 528
<211> 282
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. R36881

<220>
<221> unsure
<222> (1)..(282)
<223> n = a or c or g or t

<400> 528
tttttttttt ngtgattata cgttttatta gactcnggga ggggtaatgg caaggnccttc 60
atcangtggt ccttcaaatt aaaaaaaaaa aatacaaaag ctacgtagaa aacgtcagat 120
cagacgacta aactttcccg actcagggcc aagttcttct tgagcctgcg ctctcgggac 180
gcctgcgagt cggctctccga gtacgggggc ggcgcgggcg ggtagtaggc ctcttcctcc 240
tcctccttgt ggggtctcct cctctcctcc gacccttct tc 282

<210> 529
<211> 428
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. R36969

<220>
<221> unsure
<222> (1)..(428)
<223> n = a or c or g or t

<400> 529
tttttttttt ttcaagttgc tttttccctt tttattaaaa atagactcaa gcactttant 60
gtatcataca aaagtttcat tcgctggtgg cagccacggg aaagactggc cccgtagcac 120
tgattttcca cctccccctcc agggacttgg gtcccaggag cagtgactgg gcctcagaga 180
aagcccataa agactgctta ctctggaagc agccgactag gggctnttcc gcgagcagct 240
ntccccaccc cacccaatgg caaaagttag atactcgaaa gtgcctcttc agtgccaaga 300
taaactaaca agtgggagtg aaatgggaaa accctttgat tattttacta ttttcccagg 360
ggcctggggg nttttnagtt tttccctgca attcaaagtc cttttttccc ttacaatagg 420
ggggtagg 428

<210> 530
<211> 507
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. R37588

<220>
<221> unsure

<222> (1)..(507)

<223> n = a or c or g or t

<400> 530

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tttttttttta gaattcaggt agtgtttttg tttattatct tagtgttgtc acaagtgata 60
gaaacccccca ngaagtngga angaaagagc tccntgcntg gacctacatt ttgccattcc 120
cctcttgccc tgggntcaga accttgaagc ctttgcttg cccttgcatg ttaggatatg 180
gccaagaatc agaaactgat gcgtttttcc agcactacct gtgtgctgca ctcattggaag 240
gtgggaagct atacacaggt atccaacttg gttataagac accagttccc acagggctgg 300
atttctcagc tgtctgggta aaccagtggc acttcactgc cccaggggtg gctggctccc 360
tttctgaatt tctgtctcaa tgtgatataa ttgccaccat tcaggatggc taccacatt 420
ttggtatgaa caccatgact tctttaaggc aacgggggct ttctnctca gaacagtgcc 480
cctgnaattt ttctctctgt gggctttt 507
```

<210> 531

<211> 239

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R37774

<220>

<221> unsure

<222> (1)..(239)

<223> n = a or c or g or t

<400> 531

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tttttttttta tgtatttcca aaatcacaaa atgcacaaca ttcattngttt ttaatattgc 60
aacatggaat attatataca gattaaaacc acgacagcaa aaacactcac acggtaccag 120
tttcatatca aaacaaaaca cacaagtgtc ttttcaatat taaaacgact gtgataaaaa 180
catattaata ttttgaacca tgtttacaat agngcaaaat tcatatttta ctaaataac 239
```

<210> 532

<211> 237

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R38678

<220>

<221> unsure

<222> (1)..(237)

<223> n = a or c or g or t

<400> 532

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ttttttttttt tttttttttt ttttttcng ttggaaattt tttatttacc actgcaaggt 60
ttttgctcca aagtgtcaca ccagacatat gactacaatg tctcatgcat ctttttgtgc 120
tttagttcat gactgcaaaa cacacactta gcatttgaca acaggaaaca cagagggcag 180
aaacaaatca caaggactag ttggttttagg ttacagccac attttccccg gggctcc 237
```

<210> 533

<211> 401

<212> DNA

<213> Homo sapiens

<220>
<223> Genbank Accession No. R38709

<220>
<221> unsure
<222> (1)..(401)
<223> n = a or c or g or t

<400> 533
tttttttttt tttttttgat ttctcaacat caaagttaa ttattacaaa atagttcaag 60
caacatgata tgantttcaa aaactgtatg ttgcttngct tcctngtttt gctccaacac 120
taatcatgct gaggtttttg aagcacagct atgactaggg caggcactct tgatttcagt 180
cacaaaaacc cttcttggat gaacaatact tgttcttttc agaagaaaag caattttacc 240
ttttctatct ctattatgaa aaacagagct aaacaatttt tgtattttta gtagagacag 300
ggncccacca cgctggccac gntgggtctc ganctccttt caagntgttc tgctgcccc 360
ggcctnccaa agtgccgggg nctacaggat ntgaggncac c 401

<210> 534
<211> 340
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. R39467

<220>
<221> unsure
<222> (1)..(340)
<223> n = a or c or g or t

<400> 534
gagccacctc ggggtgactg agcgggaaggc caggcagggc ttccctcctc ttccctcctcc 60
ccttcctcgg gaggtcccc agaccctggc atgggatggg ctgggatcct ctctgtgaat 120
ccacccttgg ctacccccac cctgggctac cccaacggca tcccaaggcc aggtgggccc 180
ttagctgagg gaaggtacga gtcctctgct ggagcctggg gaccatggg cacaggccag 240
ggcagcccg agctngngtg ggggcnttag tngggggttg ntgcttgacc cccagcacia 300
taaaaatgaa acgttgaaaa aaaaaaaaaa aaaaaaat 340

<210> 535
<211> 197
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. R40431

<400> 535
tttttttttt tttttttgtc ttgtgtgtat ttttatttca gggaaagaaa tgagggatat 60
gataagaaaa agtctattaa aattgtaagg cttactccag acaccattgc ttaaatact 120
cccctcgcac acagagagaa aaccctggg caagtgcaca aaaacactac tcataaaagc 180
acgggtgacc agtgaac 197

<210> 536
<211> 464
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. R42241

<220>
<221> unsure
<222> (1)..(464)
<223> n = a or c or g or t

<400> 536
tttttttttt ttttgaaaac agaattatatt attgcataca gcatgggact gtgatcaacc 60
tggncatcaa atgccgcat ggctgacagg gccaggcgg cgggagtgct gggaagccca 120
gtacacgtgc tccctctctg tgggactccg ggatccacgg ggcggatggg tctntgagtt 180
gcgagttgtt cctgtttgtc ttccagcccc cagtcctccc cggccactct gattagccag 240
cctagggtag ggctggcat aaagtcacac aggcaaacc cagaagaagg aaaaagggca 300
cctgcatgaa caaagagttg gggtgcagag gntgcaccgg ggtaagactt ccttcatgca 360
gttnggagtc cncatgtn gggacatcag gagatgncac cncacagaat tggtnngctag 420
gttttntctgg gttttggccc agagaggctn attcccattn tttt 464

<210> 537
<211> 318
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. R42424

<400> 537
tttttttttt actttctgtg agcttatgag gccattctgc acattatcaa aatgaaatca 60
ttatgcagta acctatata tataaatcca attttttccct ttgtagaaga aaaccaaata 120
aattttacaa actacattta acttagtaat ataaagaact gactagtgtg aaattttgaa 180
aatctaccac ttatttttga agggaaagggt acacatcctt caaaaccccg gctaacaatt 240
cctaggttca gttttctatt atacaaatca aaagggttaa ttccttgtgg gcactaacca 300
aaactttaaa aattaacg 318

<210> 538
<211> 243
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. R42607

<220>
<221> unsure
<222> (1)..(243)
<223> n = a or c or g or t

<400> 538
tttttttttt aggctttgca aaatacattt aatgatctct ttcaaacaag tgttactcgn 60
gttttctttg ctttctggag ctaaattggg tatcgatgag gcagcagtca cgggagaccc 120
aacatgctct tggcagatac tggattatcc aactatcaaa aatggagctg tagaagaggc 180
atgttnaact ggttaaaaca gaaagggtat tttagtacgg tcaagttgat ctaagtacag 240
agg 243

<210> 539
<211> 270

<212> DNA
<213> Homo sapiens

<220>

<223> Genbank Accession No. R44397

<220>

<221> unsure

<222> (1) .. (270)

<223> n = a or c or g or t

<400> 539

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tttttttttg tattgtatac acagtggaaa gctgggtttta tttgggagac aatgggagct 60
tttacattgt tgagcaaagg agtgacgaga tcagtcttgc tttttagaaa gattagtttg 120
gcagttactt atttgtaacc aganttagac agcaaatcgg gatgcagggg gagaagtcag 180
gtgactatta gtctgcgagt aattctggga caagagcagt ggtaatggaa ttnaaaggga 240
ttaaagtntt taccaggttt tggcataaat                                270
```

<210> 540

<211> 367

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R44535

<220>

<221> unsure

<222> (1) .. (367)

<223> n = a or c or g or t

<400> 540

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tttnttccaa aaatcaccac ctttaatact ccccggctct gcacacaccc acagtctcac 60
tgggctccac cctcacttac tgcccgccgt ggatggcctt ggaggctgcc tgcccgcgcc 120
aggatgtttg gcacaaagag cagccccgaa gccnctnaa tgntctcgat gggcaccagg 180
taagcgnctc agtgggatgg cctnatccac aggtgcgttg ggcatacagt aggtgcggan 240
tncaatttgc ccanctgntn cctccagggt cagcaccttg aagaagtttg tgggcactgc 300
cangtggttt ttgcegatga cctgggtant ttacgtagga tttcccatca gnetctgtcc 360
atgggac                                367
```

<210> 541

<211> 398

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R44714

<220>

<221> unsure

<222> (1) .. (398)

<223> n = a or c or g or t

<400> 541

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tttttttttt tttttttttt tttttgattt tnagcaggna cagttttgat tttattgcaa 60
ggcacacaat cgtatataca atgcataatt atcatctttt aaagtacaag ataaaaatca 120
```


tatacattat agtaaaganc atatgagtat attcttggtt cagagangaa anttgcctta 180
 aggaagctgg gttataccgt ttttggtatgt gattttcgtt tttatactga atcatccgaa 240
 cagctcttgg ttaggaaaat aaatctcatt gatagggncac cacaaccttt cacaggcttt 300
 cactttacaa tgttccantt taaagggtcag ccagtgtggc tccctggatt ttggcatggg 360
 gtcacgtgtt tttcatcccn ggggtcttgg gttggaaa 398

<210> 542
 <211> 364
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. R45654

<220>
 <221> unsure
 <222> (1) .. (364)
 <223> n = a or c or g or t

<400> 542
 tttttttttt ccatgtttca tttcctttta taatgaaaat ccataagggt ttaaaatact 60
 cttagacaca cctagcttag caaatatcat ggacctctac atttatgtga attcacacat 120
 gagctagcca gcacctcagt tctggctggc catcgacacc tgcttctccc tttggccctg 180
 gggccaggga gccctggagg ccagggtccc ctctgcctcc tccaatggag ttgccagcat 240
 cgcctttatc tcccttctgc cccaggaggg caggaagccc aggggagcct tcagccccct 300
 tctcaccent ntgccccntn tttncacgca aacctggggg ccccnngntt ccttttggtt 360
 ctgg 364

<210> 543
 <211> 229
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. R45698

<400> 543
 tttttttttt ttttttcatt ataaaagtca gtttattttt cctttctgtg tttcgtattt 60
 tccctttttt tcagtaaagt agcaatacac tgactggaaa tctgcatgat taaataacat 120
 taacaagttc ataaacacac cccatatcag agtataaagc aagagggttg aaaatatccc 180
 ctaaccgaat gccaaattag ggtatccctc aaaattgcac attctccct 229

<210> 544
 <211> 254
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. R46074

<220>
 <221> unsure
 <222> (1) .. (254)
 <223> n = a or c or g or t

<400> 544

```

tttttttttt tttttttttt tttttttttt ttattgccaa ganccaaaga aaaaatttta 60
tttacaatag agaattttat ttgaaacatg catttcttgt ttttttaaaa acaaatcagc 120
aaatgcagat caagtttaca ctctttaagg caagagtccc tatgcacgct gtacatgttc 180
atattaaatc caaaagctgc tcacccgggg aacttgtgta caaagggcaa ggccaaggtc 240
agcaatgtgt cttt                                     254

```

```

<210> 545
<211> 338
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. R49138

```

```

<220>
<221> unsure
<222> (1)..(338)
<223> n = a or c or g or t

```

```

<400> 545
tttntttttt tttttttttg ggagttgaga tatttattaa cagatggggg tgctgggggt 60
gggctcctgc cccagaggga ttgacaggtg gatgccgggt ggggagggct gcagggctgg 120
ctcctggcct ctntcctggc ttcattgggtc tgacancctt gggccancct cagggctggg 180
agcgtactnt agcaccancc tttcaaagtc gttctccttg gcctgggtact ccttgatgaa 240
gggatgggac ctgtgggcat ccttcagctg ggacaggtat cggtttgtca cctcaggggg 300
nttgccaggn tgctnggaca ggacgatgag gttnacca                                     338

```

```

<210> 546
<211> 284
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. R49327

```

```

<400> 546
tttttttttt tttggaaaaa gaaatttttt tttaattaga aaccaagttt acatacggtt 60
aaatgggttac taaaagctca gttgtaacca ctctaacac cactagcaga acctcaaggg 120
agccaagagc tcttcccttt tcccctgtta atttccagta taatgtagca gcacaattat 180
ttcatgtcac atttaagaag aacaagaacc aatttatata aaggtacaat tgtatatcct 240
taaacattcc acataaacac actgtcaaaa ctactggat atgc                                     284

```

```

<210> 547
<211> 414
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. R51831

```

```

<220>
<221> unsure
<222> (1)..(414)
<223> n = a or c or g or t

```

```

<400> 547

```

```

tttttttttt ccatttttaa ttatttttatt gtatatataa aaaccaaata aagcaataac 60
tttaaagacc tcacacacac acagtataaa cacctgggta aggttttntt cgtgtccatg 120
ttgacaccgg aactaccggt aaagtgcaag ttttgttttg tgttcctttg tgcagtttca 180
ctcacatgta aacaagtcac ttggctatga tttgaccac gccccccgn ttagtttcgg 240
gagggcagag gctctaccgg ctgtcacagc aaccggant cacagncaag ntaatgcccc 300
gtgggtcctg accctgcaag cggggcatga cggtttcttg angcctagca gaggntgggt 360
aactttcaca tncctcccc accccgtggt tcactnttag gtttttgaga agtt 414

```

<210> 548
 <211> 538
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. R56183

<220>
 <221> unsure
 <222> (1) .. (538)
 <223> n = a or c or g or t

```

<400> 548
gtaagatggc ggggtacgac ttaactactc gcatcacgca ccttttggat cggcatctag 60
tctttccgct ccttgagttt ctctctgtaa aggagatata taaagaaaag gaattattac 120
aaggtaaatt ggaccttctt agtgatgcca acatggtaga ctttgctatg gatgcataca 180
aaaaccttta ttctgatgat attcctcatg ctttgaaaaa gaatagaacc acagttggtg 240
cacaactgaa acagcttcag gcagaaacag aactaattgt gaaaatgttt gaagatccag 300
aaacgacaag gcaaatgcgg tcaaccaggg atggtaggat gctctttgac tacctgggcg 360
gacaagcatg gtttttaggca ggagtattta gatacattct acacatatgc aaaattccca 420
gtattgaatg tggggaatta cttcaggagc agccagaatn tctttatatt tttcagagtg 480
ttggttcccg caaccgacag anatgctgta agttcactct gggggaagct ggctctctg 538

```

<210> 549
 <211> 364
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. R56602

```

<400> 549
tttttttttg ctgttatgat tagatatatta ttgagcacca ggagagagtc agaacattag 60
acttatagtg gaggagcaga actgaaccct ggcctgtgaa ataacaattt caattaaaag 120
ctgtctggcc ctgaagaaag agaaatgatc ctggatatag ctggtcctct gagctggcag 180
agctgagcct ccctcgggtc ttctgggtggg caagatgcca aagttgaata gtgtctgtag 240
ggcatgatga ccaagtccta gtgctatggg catcttccct ctggtatatta ggagaggagt 300
accagaagcc cccggcagag gatactagga agggcccaga gccaaatcca gcagctgggc 360
ttac 364

```

<210> 550
 <211> 181
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. R58878

<220>
<221> unsure
<222> (1)..(181)
<223> n = a or c or g or t

<400> 550
caaacaggtc atttggtttt attttatgga tacaccaaaa ttttataatg agttgtgttt 60
ctattttggc tttatcttcc agaaacttag aaccaaatat gcagtcctct tctagcaact 120
gtatgagagc aggtggtaag cttctatttn attgcccttg ttttcccttg actccaaatc 180
t 181

<210> 551
<211> 485
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. R59593

<220>
<221> unsure
<222> (1)..(485)
<223> n = a or c or g or t

<400> 551
tttttttttt ttttttgcca ttgaaaagaa agtttaaatgt tacaattctc cccagaaatg 60
agggtcacatg catgccacag ggggccacat gaaactctgt cacaagcaga gaccacaaag 120
cagagagagg acctgagact atgcctttat tgctaagtca gtgggatgga tctaggtggg 180
gatgtccctt gtttgggcat aaagcaaaaa cagacattct atgggtgtca ctgggaagtc 240
tgtgatatga gttttgtgca cccacgagag agggcttaaa aggatgatgt aaacaacttt 300
agccttttagt ttgtccctgt acttaatat tgtcaaatag ggcaaacaca aattctaagg 360
taaacacaga ttagttccgg gagcagcttg gcttatggca cacnttcagg gaaacacctt 420
ggcttaaatac ttacagggga ccacctgttt ttttcaaact ttgggggttat tccgtttctg 480
acttt 485

<210> 552
<211> 372
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. R60056

<220>
<221> unsure
<222> (1)..(363)
<223> n = a or c or g or t

<400> 552
tttttttttt ttttataaaa ggaaacagac caacatcata gtgtttttatt gacaaaacca 60
taggaaaagg cagtttttagg atgtaaagta aaaatgggtc tctgaaatat ctacacaaac 120
gtgaattctg aaaagttttc attaaaatcg tatttcatac aattataaac taatgaggaa 180
caaaacaatt ttcaacttct ccataaccca gactgagctt gatttatgct tgccatacag 240
aagcagganc tcttcccaga gaggggtggtg gctcccacac agctgacagc caggtttggc 300
tgtttaccta agcccatct tcccagtcgg tgttcaaaac aagggcacaa ggtctgggct 360
tttcaaaaaa aa 372

<210> 553
<211> 387
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. R60777

<220>
<221> unsure
<222> (1) .. (387)
<223> n = a or c or g or t

<400> 553
tttttttttt tttttttatt taaatggaaa cactaatctt tatttttcac atgctgaagt 60
gtgtgggttac aattttccaat aaaacactat atataataag caaaataagt tagtacattg 120
taaacttatg cacagtttca tcaattaaca gtttaaganc aaacaagcca tttaagactt 180
tggagctaca tttagtaaaa nattgcaaac actcaaactt tatcaacccc aagtaagaca 240
gtaaagagct attcaagact tcttcaaacc aattacacaa ntacatgttt atttttgggt 300
acagtcccct ggctatgcac aaggaccatt gggaatgctg ggancaattt acacatttta 360
aaaacgggca aaaaggcaaa gcaaggg 387

<210> 554
<211> 350
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. R69417

<220>
<221> unsure
<222> (1) .. (350)
<223> n = a or c or g or t

<400> 554
ttttgtgggg ggggcaacta aacaaacaca aagtattctg tgtcaggtat tgggctggac 60
agggcagttg tgtgtttgggg tgggtttttt ctctattttt ttgtttgttt cttgtttttt 120
aataatgttt acaatctgcc tcaatcactc tgtcttttat aaagattcca cctccagtcc 180
tctctctcc cccctactca ggcccttgag gctaattagg agatgcttga agaactcaac 240
aaaatcccaa tccaagtcaa actttgcaca tatttatatt tatattcaga aaagaaacat 300
ttcagtaatt tataaataaa ggggcactat tttttaatga aaanaatttg 350

<210> 555
<211> 284
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. R71395

<220>
<221> unsure
<222> (1) .. (284)
<223> n = a or c or g or t

<400> 555
 tggaaaaaan nacaacttta ttttcagtca tttctatttc cttgggttatg aacaaaggta 60
 gcaaagtgca gttgtatcag cagtgccaat agaaattaca gagtttttca tatcccttta 120
 cagtttgcca caggatatctt aaaatattgt ttacactcat ctctcttcag tttaccattg 180
 tttaataggc ctaccctcga tctttttatt caatatgtta ataaagaaac ctatacacat 240
 agtatcacgt tatacatttt aaaantnttt tgacaactgt atat 284

<210> 556
 <211> 480
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. R71792

<220>
 <221> unsure
 <222> (1)..(480)
 <223> n = a or c or g or t

<400> 556
 atttattgca aactccctaa tatcacatgc tagtgcgctt gnaatttcac tcaggaatgt 60
 tccgggatgg gggccagaag gtagagagca ccatgaaagt acagcctgcg aggccggatt 120
 gctaagggggc agacttcatg ccaatggagg gacaganttc aggaccagtc tggatgggct 180
 aagctgcctt gggcngnaag gagctggatc aggccaggga gcttgagggt ctcctttggc 240
 caaccacccc caggtttcca gtcctcctc ctactcagg gtcctgcgcg gtgagggagg 300
 tttgggggag gttcgcggct ntacagctgc cagggnnttt ggggcactac canttaagcn 360
 tgaggccccc agtcagtcct tctactnggg aaagtttcca agganttggg gctttcactn 420
 gcattttttt cagacangtt ccggnataagg ggttnaagct ttncttngg ggggttnccc 480

<210> 557
 <211> 392
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. R84421

<220>
 <221> unsure
 <222> (1)..(392)
 <223> n = a or c or g or t

<400> 557
 acaaagagaa aattttattt tcttattcct gaaatgactg tacgattttt caatgttaaa 60
 gttcactttc aagtatgatc aataacaaga catcaaagt aaaaattatg ctgtattatc 120
 attttctcca ttgcttctta aaccactgaa agtaatttca caattcacca catttaggca 180
 tcttcttttt cactttcttc attttttact tctttaggca acaatggatc aatcttcagt 240
 aataaacctt cacttggtga actacgaagg aaagcacgta ccacaanggg acccaaattc 300
 aggcgggtct gtgcctacaa acttcattaa taactgcttg cggattgggc agctatctgg 360
 gtcacttgac atatccaatg ttggctattt tg 392

<210> 558
 <211> 412
 <212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R85291

<220>

<221> unsure

<222> (1)..(412)

<223> n = a or c or g or t

<400> 558

```
ttgntatttta cangtatttta aatgtgaata ttcactacct atttggtgca ngcctgcant 60
ttttatactg ggcttgccaa aaaccggaac agctttctac ttgacaatg tatcagaatt 120
taaatcagca atatgttaat aagccaagca aagggtatat atgcaaataa aactggtgtc 180
tataacctcc tgttacactg gggcacagca aaagtcattg ngtagtcgca tgtgaacctg 240
tccttttcat aggtctgctca ttgccgggga acatcaggga atagccattt gggaagggtg 300
catcagccct ccancatcc gttttctgctc ttgtcttttc cctatgaggc agggggnaat 360
tcncggtgg ggccccaatc cccagtgcag gnggctcagc cnttggcctt tg 412
```

<210> 559

<211> 380

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R88209

<220>

<221> unsure

<222> (1)..(380)

<223> n = a or c or g or t

<400> 559

```
acatcagtca gaaaattcca gaaaatggaa agtactccat catacagcaa agtaaataca 60
tggttggttg aagagcagag agaaaaactt tataaaggct ccaagtaaat acaaagggtga 120
tagattagat aaattcatta tggngactct gatgatggtt tcacgggatt ataataaaat 180
tcaagactta tcctacagct caaatatgtg tactttattg gatgtcattt atatctttat 240
tttattttta agatgggggc tcactctatc acccgggctg gactgcagcg ttgcaatcct 300
aggctcactg caacctccgn ctcccgggnt caagcaatcc tcccacatca ctaagggncca 360
gggtacatgc cncctnccg 380
```

<210> 560

<211> 379

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R89840

<220>

<221> unsure

<222> (1)..(379)

<223> n = a or c or g or t

<400> 560

```
ttaaatttta ttatagtaac aaagtgacta tttttaataa taaaagcaga gtgcctgtag 60
```

```

gaagtggatg gccctatctc aggccaagtc tccttagtgt ttcagaccta ggctgaccag 120
aatagtcttc tagaatgtaa catttatcca ccaggngtca ttattttacca atctgacaag 180
ccactgggct gtctccgngc attcaatggg tggaatcaag gctacagacc agantaggag 240
atgaatgaaa ntagatttag aaaagggcgt tgtgggctgga atgcagcttg cagtgtggga 300
gggcagggnt gggagggtaa agagggctct ttgaaagncc agtntcactt tcctgatcca 360
agtttcttaa gctgatact
379

```

```

<210> 561
<211> 378
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. R91484

```

```

<220>
<221> unsure
<222> (1)..(378)
<223> n = a or c or g or t

```

```

<400> 561
tcaaattgtca gatttcttta ttaaaatgtg cacattatag ttacttaaa tacaaaatgt 60
tcactttcct tgcaggtaag aaatttcact gacatttcca tgtcaattag cttcttttta 120
ataaaaaatcc ttccactgaa aataaatang catttaantt actgaactat tatattcatt 180
agtctcaata cctcttaaaa tacttaaaac ttgngaaaat agactctaaa catngcctaa 240
ngngngggcat ccagctctga ggcaggccac acaagggtgt tctgaggtat gggccatatg 300
actccggggg ggccacctcc acggacgggc ccagccccac cgacggntct gctggaaaat 360
cccggcccct caggcggg
378

```

```

<210> 562
<211> 223
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. R93908

```

```

<220>
<221> unsure
<222> (1)..(223)
<223> n = a or c or g or t

```

```

<400> 562
catatatnna atantaaaaa tcctgggagg cattgcactg taatagtaag tctgcccac 60
caggntcatg catgtctttt ctttcattca agtcttattt tataatctttc agtaaatttt 120
catatagatc ttgtgaatcg aattattttt acatttcaaa ttcaactaac aattattaat 180
aganaatgaa aacattgatt tttttcaata tttattttgt gtc
223

```

```

<210> 563
<211> 334
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. R96924

```

<220>
 <221> unsure
 <222> (1)..(334)
 <223> n = a or c or g or t

<400> 563
 agtaaacttt attngggaga tgggggtgaat ccatcactgg ttactggaac cctgagtctg 60
 cattttctcc tcaggaaggc ggtctgaaat ggagtgggct gtgtttggca agggttgtag 120
 tggtttgga tctctcacct gcttggctcc cgagctgggc ctcaggctgn tctccccaga 180
 gtaaagccc gggatcattg aggaagcgtt ggctgcgctg ggcatgttag ggcaggctctg 240
 tacgggtccag cgctgtcccc tgcagcgtct ctgggcgctg ggggtgcagggt naggcccnng 300
 acgaggaggg aagagcagcc tcgacagaga gtcc 334

<210> 564
 <211> 510
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. R98442

<220>
 <221> unsure
 <222> (1)..(510)
 <223> n = a or c or g or t

<400> 564
 gtactcatta atccccctcct caattttttaa cagaattata aaagcaaagt caaaagggtcc 60
 ttcaggatga ctgggaggct tcctaggcta actttttgcat ttgaaaatgg aaaaaataaa 120
 ttacttgata tttgtgataa gactaagatt tcttaaaagt ctgcacatca atatattacc 180
 tgggcttagg aggggtgaggg cacagtatcc atctgcaccc tctcctcgta ttttttataaa 240
 acaggcaaaa tatgtaagaa aaggctggtg cacgttgga gacagagcgt gcctgtctat 300
 gccagtgtg ctgtgccctg cagcctgggn aggatgggag tcggatgtg gggcctcatg 360
 nccacttagg gccaataaca tactcaagac tctacagccc tttcaccagc aaagtatgnc 420
 ctgaggggaa ccactgggtg ttgggagttg aaggcacaca aagcaggggc taaagggcaa 480
 ttgggggttc acggtgcagg cgccttgagg 510

<210> 565
 <211> 386
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. R99092

<220>
 <221> unsure
 <222> (1)..(386)
 <223> n = a or c or g or t

<400> 565
 tgtagagacg ttttgccctg ttgcccaggc tggtttcgac ctgctgtgct caagggatct 60
 gccaccttg gcctcccaaa gtcctaggat tacaggcctg agctactgcg cccaacccat 120
 ttattttatn ctgttttagt tgcatttgct ttaggagtct tagccatgaa ttctttgcct 180
 aggccaatgt ccagaggagt ttctcctagg ttatattcta gaatttttat ggtttcagggt 240
 cttagggtta agtcttttat ccatcttgag tttatttttg tgtaaagtga gagacagga 300

ttcagtttca ttctttctaca tgtggctatc cagttttccc agcaccattt attaaatagg 360
 ggtgtccttg cctcaattta tggttt 386

<210> 566
 <211> 691
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. S45630

<400> 566
 gacccctcac actcacctag ccaccatgga catcgccatc caccacccct ggatccgccc 60
 ccccttcttt cctttccact ccccagccg cctctttgac cagttcttcg gagagcacct 120
 gttggagtct gatcttttcc cgacgtctac ttccctgagt cccttctacc ttcggccacc 180
 ctcttctctg cgggcaccca gctggtttga cactggactc tcagagatgc gcctggagaa 240
 ggacaggttc tctgtcaacc tggatgtgaa gcacttctcc ccagaggaac tcaaagttaa 300
 ggtgttggga gatgtgattg aggtgcatgg aaaacatgaa gagcgccagg atgaacatgg 360
 tttcatctcc agggagtctc acaggaaata ccggatccca gctgatgtag accctctcac 420
 cactacttca tccctgtcat ctgatggggg cctcactgtg aatggaccaa ggaaacagggt 480
 ctctggccct gagcgacca ttcccatcac ccgtgaagag aagcctgctg tcaccgcagc 540
 cccaagaaa tagatgccct ttcttgaatt gcatttttta aaacaagaaa gtttccccac 600
 cagtgaatga aagtcttgtg actagtgtg aagcttatta atgctaaggg caggcccaaa 660
 ttatcaagct aataaaatat cattcagcaa c 691

<210> 567
 <211> 1398
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. S59049

<400> 567
 tagatggcaa cctccctatc tgcccgcagg tcatagaggc gacacgtagc gtcactctgac 60
 cctgaagcaa aggcattctc actccaaagt tagacaaaat gccaggaatg ttcttctctg 120
 ctaacccaaa ggaattgaaa ggaaccactc attcacttct agacgacaaa atgcaaaaaa 180
 ggaggccaaa gacttttggg atggatatga aagcatacct gagatctatg atcccacatc 240
 tggaatctgg aatgaaatct tccaagtcca aggatgtact ttctgctgct gaagtaatgc 300
 aatgggtctca atctctggaa aaacttcttg ccaaccaaac tgggtcaaaat gtcttttgaa 360
 gtttcctaaa gtctgaattc agtgaggaga atattgagtt ctggctggct tgtgaagact 420
 ataagaaaac agagtctgat cttttgcccct gtaaagcaga agagatatat aaagcatttg 480
 tgcattcaga tgctgctaaa caaatcaata ttgacttccg cactcgagaa tctacagcca 540
 agaagattaa agcaccaacc cccacgtgtt ttgatgaagc aaaaaaagtc atatatactc 600
 ttatggaaaa ggactcttat cccagggttc tcaaatcaga tatttactta aatcttctaa 660
 atgacctgca ggctaatagc cttaaagtgc tgggtccctgg ctgaaggga ttaacagata 720
 gtatcaaggc acgaaggaa gtgccagtat ggctccctgg gtgaacagct tggccttttt 780
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 ccaggcgcag agttgaagaa gcataagcaa gacaaaaaca gagagaccgc agaaggagga 900
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<210> 568

<211> 1223

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. S81914

<400> 568

acactcgctc ggctcaccat gtgtcactct cgcagctgcc acccgaccat gaccatcctg 60
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atcttcacct tcgacctctt cccggagccc gcagcggccc ctgccgggcg cccagcggc 180
tctcgcgggc accgaaagcg cagccgcagg gttctctacc ctcgagtggc ccggcgccag 240
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acttcggagc cctcggacta cgctctggac ctccagcact tcctccagca acacccggcc 480
gccttctaac tgtgactccc cgcactcccc aaaaagaatc cgaaaaacca caaagaaaca 540
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ccgtgagatc cttccatctt cttgaagtcg ccttttaggg ggctgcgagg tagagggttg 1140
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aataaaattg atttactgtc tgc 1223

<210> 569

<211> 290

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T03229

<400> 569

ggtgatcttt gtggcattct ctgtatttcc tgaatctgaa tggtgtcctg ccttgctaga 60
ttggggaagt tctcctggat aatatacctgc agagtgtttt ccagctcggt tccattctgc 120
ccatcacttt caggtacacc aatcagacgt agatttggtc ttctctcata gtcccatatt 180
tcttgagggc tttattcggt tcttggtatc cttttttcct ctaaaacttt tccttctcac 240
ttcaatttca atttaatttc aaccttcaaa tcaactgata cccctttctt 290

<210> 570

<211> 253

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T03593

<400> 573
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 aatccaaagc acttttgtgg agggacaacc cgttttagcaa ggccctgtta ctgaacagag 120
 ggcagtgggg ggcacccagc ggaccacagc acacagacta gtgtagaaa ccccttccca 180
 gaagcaaccg gtgggacttg gcccttacca gccaggggtc tactccattg ggtcttgggg 240
 cccaccaacc cctnttagag gnggnccc 268

<210> 574
 <211> 246
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. T15850

<220>
 <221> unsure
 <222> (1)..(246)
 <223> n = a or c or g or t

<400> 574
 aggaggggtg cgtttattag acaaacgctg ggagacaggc ctggtgggga cctggctggg 60
 ggatgatgca gcccgcaatg gctgctgctt cgtacttggc ttgccccgga ccacagactc 120
 gtaacggtaa cccctaactt ttcaggggccc tggnacccgc ccctgccagg gtccacacgc 180
 agagttatgg cgggnccacc cccacaggtg cagctctatc tcccacctnt tgcacagaga 240
 tataag 246

<210> 575
 <211> 311
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. T16282

<220>
 <221> unsure
 <222> (1)..(311)
 <223> n = a or c or g or t

<400> 575
 aagctcagag tgacttttaa tatgccaatc aatgttaata aaacacaagt caaagacaag 60
 tgcaaacatg ttttagacca aaattaatga gaaaacagac aatttttttc aacatctgtt 120
 agccagtatt attagtcaaa tggctaatac cagataaaat atattttgtg aaaaacttgg 180
 aatgtcagan gtcattctgg catttcaaac agctatgtac agtatcacga agatcggttt 240
 atatacacia atattgaaga gaaaaaccgg gcaaaacatt taaaaacaga ctaataatac 300
 aatcaagtat a 311

<210> 576
 <211> 250
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. T17428

<220>
<221> unsure
<222> (1) .. (250)
<223> n = a or c or g or t

<400> 576
gctgtgcagt agtattttatt gttacagtgt taaaattcac tctcggggaa gcgatttggg 60
gccacggccc tagaaactgc atctttgttc agagccaacc catttcctct gcagccacaa 120
aatgcctttg tgtntcaggg ctcgggagat tctcctcgnt ggccagccat tggcaagaat 180
gccagactca gaggttgcca ttgccacag gctttntnct cctttccttt cacagcagga 240
agagccctcc 250

<210> 577
<211> 309
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. T23468

<400> 577
tttgccaatt atctccatgt ttattttaaatt atttggctct aaaggaagca atcattcctt 60
tatacttctt taaatttagt attgacattt ttattttggg aaaggaggct tttttttttt 120
ttaacatgga tacaggaaaa gaaaactctc caataaaaaat attgtctaaa aagtttggtt 180
tggtgcatg atttactaaa tatgtacaat ttcaattcac agcgaaggta acaaagattt 240
aaacagccaa catcacaaat gtctcaagtt ctaaaaaaaaa atcactgtgc acagttaaac 300
aattttaatt 309

<210> 578
<211> 299
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. T23490

<220>
<221> unsure
<222> (1) .. (299)
<223> n = a or c or g or t

<400> 578
tttccaggtt gacaggtttt attccacccc ctccatccc catggccacc ccaggcagga 60
ggagacaggt gtgctggagt ctggtcactt tggggcccgg cgtgggcaga gccactggg 120
tttacattct ctgtgggcag gtgtggacac cagagggtg gggcaggagg agcgtgggag 180
cgagcggncg acccccgtct ctggcccggc ccctgggtaa acgccgactc agatgcctga 240
aacagacctg ggccgagcaa ggaagggtga tggtatttcc acccagacag aaattcaaa 299

<210> 579
<211> 299
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. T23622

<400> 579
 tttatagagg agactgaaaa agataattta ttccatcaga ggcatacaca ttacagatta 60
 cagacatttg caagtaaata atatgcaggg ttagagcgct gcgttttaac atttaacatt 120
 catgagtaaa cagagatggc cggtgggtaa atatcttgcc aaggtgggtc cttgtattaa 180
 gccttttgag tctaagatga caaatcccta ggggtcagggt gggttttccc gcacgaactc 240
 ttgtcaatga gaaatccctc agcccctttt gtcttgggtc tcacagctcc agaagggtga 299

<210> 580
 <211> 309
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. T23935

<400> 580
 tttatgtata aacaggtacc agttttgatt ttatttaatc atttcataca ttaacataca 60
 tgacacatca aatgagaaa tgcacagttt aaccgttcaa cagctggcct tacttcaaaa 120
 gaacactata ttcataattaa acatttacag tctttccatc taactttaca catgtcctaa 180
 atcattttcc agcacttctc acatagaagt ctagttttgc tctttaaaat caccatctgt 240
 atcaccccta gtagacgcga gggtttcccc aattacatgc tgaagagagc cagccaccac 300
 cccacctaa 309

<210> 581
 <211> 128
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. T25732

<220>
 <221> unsure
 <222> (1)..(128)
 <223> n = a or c or g or t

<400> 581
 ctggcttttc ctttcttctt atttttattg ctcccaaagt tccactcatc gtcactgtca 60
 gacgtctccg agtctgacga ggctgcaggc tgactcacag gcnnctcctt cnnctcagag 120
 tcactgcg 128

<210> 582
 <211> 207
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. T32113

<220>
 <221> unsure
 <222> (1)..(207)
 <223> n = a or c or g or t

<400> 582
 ctggacagcg ggcagcacca ggcggcggac agtgtcttcc ttctgcagga gcagcgcgng 60

gctctccacc acctcctctc catccttggc ccagcgcacc tntgcccagg gccggcatag 120
ctcacaggtc agcaccacac gctccaggcg cacggctgcc acatacacct tgccgctggg 180
atacacgata cacgaggaga cgtctgt 207

<210> 583
<211> 308
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. T33263

<220>
<221> unsure
<222> (1)..(308)
<223> n = a or c or g or t

<400> 583
gttcctttta aggtttatct ctggcaaata aaaaaaata acttatgtgg ttagataaat 60
taatgtatgt nattagatac gacacagggc agagctgaac gttcctgttt tcttctggnt 120
cttgaagggt ggtgagaggc cgctgaatga gaccagcct cgtgttttgt gggatgaaga 180
gatgcagaca aagtgactca ggtacactga tgctccctgg agggctggga ggtgggctca 240
gaggaagagg ccgaatccaa acctttttta ttgaaaagaa atagctcttg tttgtagcat 300
ttaaaga 308

<210> 584
<211> 271
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. T40895

<400> 584
taatggtagc tatcaattta ttaactgggt actgcggcaa tatatataat tataaaatca 60
ccatcaatcc tttcattcat acgttaacac atatcactgg tttaattcat tgaaggcaaa 120
tacaagtttt tcccttactt tccctccaag attccactta ggctgggttac cccaaacgta 180
atggagaaac attaaatgtc acttttaaac cactttttaa ccagtcttta attttcaatt 240
caggtgtgag gcacatatat acacacaaac a 271

<210> 585
<211> 343
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. T40995

<400> 585
taatggttaa ggaggaaggc ttattggctt caattcccca gttgatgttc aacactttat 60
ttagttctca tttggatttt aaacatttgc ttgacaaata atttcccatc aatttccatt 120
tctttggaaa gctcccacgt gtaatttatt tttaacatct ctgaagagca gaattaatga 180
tatttcctag ctgttgctcc agatcatgta gggtagagga ggctgaaaac tgctacaagg 240
gaaggcatct gtattgtttc aaaacgtcag gacggtagcg gatactcttt ccagagcgac 300
gaggggtcaa tcccttcatt tatttttttc aaaagggtaa aac 343

<210> 586
<211> 351
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. T49061

<220>
<221> unsure
<222> (1)..(351)
<223> n = a or c or g or t

<400> 586
ggaccaaaga actttatatt tatttttaa atcaaagtaa cacaaagaac tagttcaata 60
tacagtacac ttcctactct tcacagagaa ctgaaatctt ctataaagac atttatactt 120
aggaaacatc agacaaccaa agtatgtata aaactcacaa gatattttac acacagttca 180
caataattaa ttctgatatt ttaggnnttt tctgtcattg cttttaaagc atccttaatt 240
taaaaacaaa aattattatt tgaggactgg aaaacagggtg gcaaaggcat ttctactttt 300
aattatacac tggtaaattcc ccccttaatc caaaacattt tacttncaca t 351

<210> 587
<211> 423
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. T49602

<220>
<221> unsure
<222> (1)..(423)
<223> n = a or c or g or t

<400> 587
tgaatattca agaaagggtga agttttaattt gcatataggc ataacctaca cctcacttgg 60
caagtgttag gccacagcac aaaccctctt gtccaatcac aaatgtccac aaatttgcaa 120
agtaactgga cacgaacgat atgcttctca aactcacaca catattcgct catcacacac 180
aactcaaat gataaagaan tacattgaaa tcctctacaa aagagatctg aggacagtan 240
tcagatgacc tcatgtgcgg acagcctntt gcagtttaca gtctaatacca ttggtcctc 300
acantagccc tgtgaggata agcagcacag ggattactnt tcacaccggt ttgcaggatg 360
agggaaactg aggctcaggg gatgtgtaaa caccagccta aggttttcca gttgggagac 420
tgg 423

<210> 588
<211> 309
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. T53590

<220>
<221> unsure
<222> (1)..(309)
<223> n = a or c or g or t

<400> 588
 ttnggtatgt ggttcagctn tttattntct ccatgggggtg ggtgaagagg agtggcccag 60
 ctgagctgag gaaggtgacc actgagaacc cattcaacct gctgagcagc ttgggcagaa 120
 aggagcagga cttgggacag acgactgaag atgcagagac cccatgggcc ccaccctgg 180
 gccttcctcc catntggctg caggcatcct ntntnatcan tgctgggttg cttcctgggt 240
 aaagggccan aaggtnaagg agatgggntt ttcangcatc agaattgaggt tnaatttggt 300
 gcccacatc 309

<210> 589
 <211> 470
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. T56281

<220>
 <221> unsure
 <222> (1) .. (470)
 <223> n = a or c or g or t

<400> 589
 caggtntatn ttntttaatt atcactcaca tatttcacag gaaaaggant ntagcaaattg 60
 ggtcaaggtg gtntaaaaaa aaaatccagg tttntacatg tctctctgtt tacatctggg 120
 agaaaggtnn tcctggcatc agtcgcagca gctgcacttc tctgacgccc ctttgcaaac 180
 acagccctgg gcacacttgc tacagcccac ggggaggcag gagcagcagc tnttnttgca 240
 ggaggggtgca tttgcncctt ttgcacttgc aggggaaccag cgcagggtgc agggagacac 300
 cagcggggcg agggagcagt tgggggggnc cattgcaagc ccgagggaga gactgggact 360
 tttcccaagg agagaagcga aggaagccag tgggggggcag ctcgtgcccg anttccttca 420
 gccccggggg gntcccccta gttctaggag cggnccccac cgggtgggat 470

<210> 590
 <211> 439
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. T62857

<220>
 <221> unsure
 <222> (1) .. (439)
 <223> n = a or c or g or t

<400> 590
 caatctnaaa aaaatatttt cattatgttt attataaaaa tataaatggt tccactacaa 60
 atcattttac attagtaaga ggccatctac attgtacaac ataaactgag taatattttg 120
 aaaagacaag tttaaagtaa acacatattg ccaatcatat cacatttata catggcttga 180
 ttgatattta gcacagcata aactgagtga gttaccagaa ataaataata tatgtaaatc 240
 aaattttaaga taaaaaacag ntcatatggg tacataacat catgtaggga gttgtggcct 300
 ttatgtttac tgaaagtcaa tgcagttccc tgtaccaaag ggatggccgt aggatttcta 360
 ggtaccctct nctccctggg ttaggggaatc cgtacactta tggtttacca tatgggtccg 420
 gggtagggan ttgtggttaa 439

<210> 591
 <211> 450

<212> DNA
<213> Homo sapiens

<220>

<223> Genbank Accession No. T62873

<220>

<221> unsure

<222> (1) .. (450)

<223> n = a or c or g or t

<400> 591

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tttttnacga gacagagctc agttctgtcg cccagactgg aatgcagtgg tatgatcttg 60
gctcactgca gcctcgactt ctcgggtaca agcaattctc ccacctcagc ccctggngta 120
gctgggacta caggagtata ccaccatgcc caactcgttt ttatatTTTT atagaaatgg 180
tntctcacca tattaccag gctggtctca aactcctggg ctcaagcgat ccatctgcct 240
gccttggtct cccaaagtgc tgggnnttaca ggtgtgatcc tctgagtctg gccaatTTTT 300
atttaaagat atTTTTTaaa ttggactgga cgcggtggct catgcctggg aattaatccc 360
agcaactttg gggaggccaa ggcgggatgg ctttagacca gcctggggta acatgggcaa 420
gaccccntct ctaaaaaacc aaaanaaggg                                     450
```

<210> 592

<211> 237

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T62918

<220>

<221> unsure

<222> (1) .. (237)

<223> n = a or c or g or t

<400> 592

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TTTTTTtaag aatcttctgg gcctctttat taagagccct ctgccttncc aggggagggg 60
agcaaatcct tcagggcccc cagagttcct gcaccccata tcatgggtga gnctaccagc 120
cacagagcca cccgtcaccg tggagaggct taagntgcac tcagagctcc ccccgggcat 180
gccgaatgta gtgttgatgc agccctgctt cctgagcaaa gtccctgaccg cactctg    237
```

<210> 593

<211> 301

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T64211

<220>

<221> unsure

<222> (1) .. (301)

<223> n = a or c or g or t

<400> 593

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TTTTTtnntt tgtggatttt ccttttaatg caaaatgttg caatacaaaa caatgtggag 60
aaagcctggt cctcaggcac tgaaggagg agtgaggaag agaggacaga gctggacgtc 120
```

tcctcctatt tctccctccc caagtcactc tgaggggaag aacactgctg cctgctccct 180
 gggcctgccg catacaaggt tagagccctg ggtctggggc atccttagcc tgaaatttgt 240
 tgacatgggg caggagagca ggaggggaaca ttgagggttt tgactcttcg ggctctaaaa 300
 g 301

<210> 594
 <211> 290
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. T64223

<220>
 <221> unsure
 <222> (1)..(290)
 <223> n = a or c or g or t

<400> 594
 gaatttnana gcattaagtg cattttatth tattgtatta gcacataaat tgatgaagcc 60
 acatgggtgaa aatctgtgag aaactgaagg ttttcatttg ttttctgtgc cccactgtat 120
 atcacctttc aaaataatgc tttctgctgg gtccaaactt cacttggagc aaagaaaggt 180
 agttaaaggg tttcacttaa agctacttcg ttatgggtgc tactgaaagt aaggtaaaag 240
 caaacagcag taacatgggg actttaantg aggcaagaga agggattcag 290

<210> 595
 <211> 445
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. T67053

<220>
 <221> unsure
 <222> (1)..(445)
 <223> n = a or c or g or t

<400> 595
 ttctggttgt caatgaggat atttattggg gtttcatgag tgcagggaga agggctggat 60
 gacttgggat ggggagagag acccctcccc tgggatccct gcagctccag ggtncctgtg 120
 gtnggggttag agttgggaac ctatgaacat tctntagggg ccaactntctt ctccacgggtg 180
 ctcccttcat gcgtgacctg gcancntag cttctgtggg acttccactg ctcgggcgctc 240
 aggctcaggt agctgctggc cgcgtacttn ttgttgctct gtttggaggg tttggtggctc 300
 tccactcccn ccttnacggg gctgccatct gccttccagg gcactntcac agctcccggg 360
 tagaagtcac tgatcagaca cactagtgtg gccttggttg cttggagctc ctgagaggan 420
 ggcgggaaca gagttacagt gggga 445

<210> 596
 <211> 444
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. T67105

<220>
 <221> unsure
 <222> (1) .. (444)
 <223> n = a or c or g or t

<400> 596
 ttancaaaca tttattgatt gcacaatgaa acaatctctc ctttcagata tatacatcag 60
 ttactaaaa gagtagatac aaagggtcagg aagtaattac aatgcaatgt gataagttta 120
 ataatatagg tttgacagca tacagnnggag ggggtgattg gggttnagggt gatgggtggga 180
 tattggccag gtaatatctt atggaccaag tgatgacaac atagggtttc acagatggat 240
 aagagtcttc caagtntacc aggggggaaat atacatgtgt gggtgccaaa acagagtatg 300
 gcatttcctg anagtcagan ntnatacaa gagtataaag tncaagagaa tgggataagt 360
 agctagggag gtaaggccag acaggntagg cnagtcctag gggcctttca ggccatgggn 420
 agganaacgt ggggcttcac ccta 444

<210> 597
 <211> 244
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. T68873

<220>
 <221> unsure
 <222> (1) .. (244)
 <223> n = a or c or g or t

<400> 597
 nttttttttt ttttcaagtc aaaactgttt tattgtcngt ttacatatatt aatagaaaaa 60
 ggaatgtagc aaatgctcag ggttgtatga aaaaaaaatc caggtttgtg caggttgctc 120
 tgtttacatc tgggagcagg gctgtcccca catcaggcac agcagctgca cttctccgac 180
 gcccctttgc agacgcagcc ctgggacact tggcacagcc atgggnagacc aggagcagca 240
 gctc 244

<210> 598
 <211> 346
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. T73433

<220>
 <221> unsure
 <222> (1) .. (346)
 <223> n = a or c or g or t

<400> 598
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 acggagggtca tggtcttaca ttcaagacac taaatacaaa ccgangcant gcaaaattgt 180
 atactttaat tttaaaaccc antttttgtt ctcaacttga aaagggnaac acttttttgt 240
 ttcacaaaca agctgggtcg gggtgggant tctttttggg aacagtaggt cccgcgctaa 300
 aactggggtt cttgcctccc ccccccntt ctctaaaatn aaccaca 346

<210> 599
<211> 475
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. T78398

<220>
<221> unsure
<222> (1) .. (475)
<223> n = a or c or g or t

<400> 599
agtattgggt gtagttttat ctgtcctttt tttattcctt taatttataa aaaaaaaacc 60
tttaaactag gcaaaattac tttcctttta acaaaaacca cattttcatg ccttctgata 120
acttttctta aacaaaaaac atgtcctact tcccttatac actttcgaag gagaattttt 180
tctcttgat ttagtaattt caattatata catttattac aatgttaact tttaggtaac 240
tcttattttt aggtgaaaaa ccttgggagg gtaggccgtt ttaattatgg taccaggatg 300
gcaaagggtc aggaacaagg ggaccaagcg ggggaggctg ggcctagggt cataggcctt 360
aaaaacttta aatcttaagg gataaagggg nggggggnac ggtggggcct cacggnctgg 420
ttaatcccgg tgggttgggg gaggggagcg tgggggtggg gntcacnggg ggtca 475

<210> 600
<211> 445
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. T79768

<220>
<221> unsure
<222> (1) .. (445)
<223> n = a or c or g or t

<400> 600
ttttaagaca actacaaact ttcaatattg gaggtagctg cagagatcat ggtaactgac 60
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gcacccagca cacacacagg acaggggaaa ggggtgggaga gatgcatgca ctgggaccct 180
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tctttccttg gggatgatgg agggcatgtt cgccagcatt aaggatcttc ccagncacag 360
gatggcacgg ccccgggcct tctttgatat tattaggtgg gcttctgggg gntttcttcc 420
ctgccgncct tccacaactc agggc 445

<210> 601
<211> 408
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. T85532

<220>
<221> unsure

<222> (1) .. (408)

<223> n = a or c or g or t

<400> 601

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ggaggctgag gcaggaggat tgcttaagcc cagaaatttg aggctgcagt gagccatgat 180
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aagaatgaag ttaggtatct gtttatttgt ttgagccatt tgtatttcct tttttgtagg 300
actgtcctgt ttnaaacgtt aaaatcactg ctgtngggtt tngattttta catctcagct 360
gggatgggca ccaattaaat tatttnaggc cctggtttat tgnaaaat 408
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<210> 602

<211> 459

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T86148

<220>

<221> unsure

<222> (1) .. (459)

<223> n = a or c or g or t

<400> 602

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agtcttatca gactgtgtac tggagccccg tgtcatcagc aaaagccgtg tgagtcaaca 180
ggtgtgaaga ctcaagatgc gcacacagac gctgtccgtg gttttatggg gaatgatgag 240
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ttgttagtgg acagaggagg aaacgcaggg ttctgccctg gggagnatga cagnccacag 360
cgcttggggg nccgtcaggg ctttcgtgtn cagtttagcgt ttcacaaact ngaggaggag 420
tattaaaana gcccaaacc caaagtttct ttttttcaa 459
```

<210> 603

<211> 357

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T89160

<220>

<221> unsure

<222> (1) .. (357)

<223> n = a or c or g or t

<400> 603

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acagtgccag ggtctgggaa ggtgctggta tctggtgagg gctttcttgc tgcattcttc 120
catggcagaa agtgagaggg tgagagaggg acaaggaggg ggaactgaac tcattccttt 180
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atgagggcag agctntcatg acctagtcac ttcttaaagg ttctacctta actccattgc 300
tttgggggat taaatttcaa catattaaac ccttggggagg gacacattcc aaaccac 357
```

<210> 604
<211> 494
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. T89703

<220>
<221> unsure
<222> (1)..(494)
<223> n = a or c or g or t

<400> 604
gtagaaaaca aaaatggaac atttattngc aactcaaata ctacgcatat acagtaagaa 60
nttaaatata aacacagcaa gttccacccc agtcctatth gtccaaggct gcatgggtcaa 120
atggaatctt gaagagaaca cctggnaaac agagcanctn tcagcgacgt ctccgggtctg 180
gacttctgct gcgtcttcgg ccacctctcc ncttgccctt tgggtggaccc cgaacaaaac 240
accagtcaac ggtgatgggc tgtcccatca aatcctgggc cattgagtcc ctccatagca 300
gcctggggct tccttgatat ttccatattc agctaggagt ataccctgtg cagatattct 360
gttcgcctgt cgaggttgag gatgaatgtt tttaatttcc ccatattctg cggaatttgt 420
cgtgtatgtt ttctgcggna ggcttctca tggacttcca gttacaaaga gantccagnc 480
ttcagcagag cggt 494

<210> 605
<211> 391
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. T90190

<220>
<221> unsure
<222> (1)..(391)
<223> n = a or c or g or t

<400> 605
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agaagtaggc gttcgctaatt ttcttcttgg gcgccgcttc ttaggcttga caaccttggg 120
cttagcggcc ttggnntcac agccttagca gcacttttgg cagctttctt gggcttcgca 180
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tcgctttctt cggngtttcc ttagcgctct tcttcggagt tgcgccgcca gccgcccttc 300
ttgggcttct tggtncccc aactggcttc ttaggttttg gtccgcccgcc cttttnaacc 360
ntggggcttg gncttcccc gagcttgctt t 391

<210> 606
<211> 483
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. T90619

<220>
<221> unsure

<222> (1)..(483)
<223> n = a or c or g or t

<400> 606
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aggtagtcgg tcagggtcccg gccagccagg nccagacgca ggatggcgtg ggggagggcg 120
tcggtacgaa tgggcaccgt gtgggtgacc ccgtctccag agtccatgac aatgccagtg 180
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gtantttcag ggtcaggatg ccangtttgc tcttgggcct tcgttcgcca cgtagggaat 480
tct 483

<210> 607
<211> 233
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. T90889

<220>
<221> unsure
<222> (1)..(224)
<223> n = a or c or g or t

<400> 607
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ctttgtacat gagatacata tagtatttaa acattttact caacaaacaa gaatttaca 120
tagcaatata actgactaga gggctatcaa cttaataata cttagattag atctgtactt 180
taataggaaa agaatttaat agtttacaat catagaaaca ctgacattta aaa 233

<210> 608
<211> 305
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. T94447

<220>
<221> unsure
<222> (1)..(305)
<223> n = a or c or g or t

<400> 608
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gaagtcacta ccccatatg tctccttggg cttcttcccc ctctctttct ggaacctgac 240
caggcagaac gcagcaactg ncagcaacag cacgcccagg gagcacccca atcagagntc 300
cggcc 305

<210> 609
<211> 302

<212> DNA
<213> Homo sapiens

<220>

<223> Genbank Accession No. T95005

<400> 609

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ctttattgaa aacattgagt gcagaaataa accctgctca tgaatgggaa aattcaattt 60
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ctcaaggggt ttttgggggg aatttgacaa gctgattctc aaggttacat ggaagagcaa 180
gggccgagac tagagttag gagatgattc ccaaaggcac aggggcagaa aaatgaccag 240
tggaaccaca tagaaaaatc aattattgta ttttcaatgg atcactaggc agcagggaaa 300
ag                                                                 302
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<210> 610

<211> 352

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T96171

<220>

<221> unsure

<222> (1) .. (352)

<223> n = a or c or g or t

<400> 610

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tgccatgttg gcaggctagt ctcgaactcc tagcctcaag tgatccacct accttggctt 60
cccaaagtcc tgggattata ggcattgagca ctgtgccag cccatagatg gcttttatta 120
ccttaaggta tgtcatgagt aaccttttaa ttctccataa aattaattat tgtgtttttt 180
gtttgcttgg ttttctatga ccctatcata aattcaactc caaactctgc accaattttt 240
tttaaacttt actcaagaat ttagggccac ataaacattc caacaaattt gtcttcgtag 300
ggnaaatctt ttccagagtt tttncctact atggcctaata gcgcagnggt ca 352
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<210> 611

<211> 358

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T97243

<220>

<221> unsure

<222> (1) .. (358)

<223> n = a or c or g or t

<400> 611

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gagaaaaccc aggaagttgg ggggtggggg gtggggagag gttttataaa taaaaaaccc 120
cgagcagctt ttcagaggca gaggagctaa gagaagcagc agtccaaagt gaggaaggga 180
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tttcaaaagg ggctgcaccc tttggatata tgcttctttc tcttgggtccc tggggacggc 300
aactagctct ggcttcaatc ccctacaaaa attcctgaga tcttcggggg accccagc 358
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<210> 612
<211> 348
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. T98019

<220>
<221> unsure
<222> (1) .. (348)
<223> n = a or c or g or t

<400> 612
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agctgttctt taagggccca gttcttatcc tcagaatctc tctgtagagg caaaacgaag 180
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tttccccaag gccttgggaa gaattaaatt cttttggtat tgtntttt 348

<210> 613
<211> 307
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. T98288

<220>
<221> unsure
<222> (1) .. (307)
<223> n = a or c or g or t

<400> 613
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atattgcaca ggccagtctt gaaccctggg gctcaggcaa tcctccacc tcagcctcct 240
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gagacag 307

<210> 614
<211> 2376
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. U02020

<400> 614
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ggtaaagtag taaccaaaga gaaaatccag gaagccaaag atgtctacaa agaacatttc 300

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caagatgatg tctttaatga aaagggatgg aactacattc ttgagaagta tgatgggcat 360
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<210> 615

<211> 5102

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. U03688

<400> 615

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<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. U19495

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<210> 627

<211> 2036

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. U30521

<400> 627

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<210> 628

<211> 426

<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. U30999

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<211> 2344

<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. U41518

<400> 629

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<211> 1303

<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. U41804

<400> 630

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<210> 631

<211> 1443

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. U45955

<400> 631

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<210> 632

<211> 554

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. U52969

<400> 632

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<210> 633
<211> 1974
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. U53225

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<223> n = a or c or g or t

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<210> 634
<211> 3025
<212> DNA

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<213> Homo sapiens

<220>

<223> Genbank Accession No. U53445

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<223> Genbank Accession No. U90552

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 <213> Homo sapiens

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 <223> n = a or c or g or t

<400> 645

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<400> 646

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<211> 159

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<213> Homo sapiens

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<210> 648

<211> 372

<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. V00594

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<211> 3565

<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. V01512

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<211> 448

<212> DNA

<213> Homo sapiens

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<213> Homo sapiens

<220>
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<220>
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<222> (1) .. (378)
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<213> Homo sapiens

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<223> Genbank Accession No. W28214

<220>
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<220>
<221> unsure
<222> (1)..(870)
<223> n = a or c or g or t

```

```

<400> 653
tctcacacat tcacgcatcc agtcatccac tcagaggcca accagtcaca cattcactca 60
ctcacaaaaa cacagggttg gatgaccatc atgtgccagc ggcatagggt ggggataacc 120
ctgagttcct ggtgcagaaa ataagattct cagtttttga ccttggtatt agaaggacct 180
atgaaatcaa gatagacctg gagaatcctc cctgtcccca cccactcagg cacactcagc 240
tcaaccaaga gggaggccca aaccccagtg aagcccaagg ggcagagcca agctgtggat 300
atgtcagagt ttcttgaggc tcttctctgc tgccctgcctc tttccaatct tggttcagat 360
cagggaagca ggaagtatgg gaagatccct gcatggcccc ttgagggcac cctaattgga 420
cggaattggg gagtttctta tattttcatg aaatatccta tttngggctc ctngtggttg 480
tggaacttga gtgattctgn agggcaggag cctccagtga ngagttggna gggatcttgg 540
aaaactggnt ttnattttat ttgggtgggt cggaattcag ttgggcttaa ccaggntgac 600
ttgcaaaggg gggnnnnncn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 660
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 720
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 780
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 840
nnnnnnnnnn nnnnnnnnnn nnnnnnnccc
870

```

```

<210> 654
<211> 296
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. W31470

```

```

<220>
<221> unsure
<222> (1)..(296)
<223> n = a or c or g or t

```

```

<400> 654
cgggcgcaga gggcgtttat tnggacctgt ccttcccagc cgctgcttgt ccaggttcag 60
cgctctccgc gggtgaggca aggaanncn ngagacgcnc gagccggtca ccacaaggctc 120
cgcttgacc ccggccgtca cggacgtacc tactggatgc agatgggtcca gggatctggg 180
ggctctggga gagtgggtgt tggactgcgg gccagctgg acaaaggcag gggcttcctc 240

```

agaagctctg ctgggtcacgc aggcgtccgg cccacggctt tcaacagccc tgcaag 296

<210> 655

<211> 353

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. W33172

<220>

<221> unsure

<222> (1)..(353)

<223> n = a or c or g or t

<400> 655

tttttttaga ttggtagagg tggtttatgt gccccatagc caagagaggt gtgcaccaag 60
gaggatatca tcaaattctga caatctggaa agcctttgaa actggttctt tcctaagcac 120
agtattcagc tgtgtcctct tgaacccata tctatcaggt caacagcttt agcccatcc 180
acatgatatt ggctgtgggt ttgtcatata tagctcttat tattttgaga aaccgttcta 240
tcaataccta gtttattgag agtttttaag catgaaaggg ctttttgaaa tttttggtcg 300
nacgggcctt ttcctggcaa tcctatttga gnataaatcc aagccgggtt ttt 353

<210> 656

<211> 437

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. W33179

<400> 656

tttttttttt attttcataa cttgcttctg ttgatttttt ttttttgtaa aactttccca 60
agacattttc agacttaaaa ataaagtcag tgttacaggt gctggtcagc cttcttactt 120
gtacctcaaa cactgggata aaggaggcgg tccagggcaa tgcagtgatg tctgtcaaga 180
cattccccct cccctaaact cagtagcagt tgaggatgac atttcaggct agagagaccc 240
aaaataacct tgttccacct gagagcaagg tggaagttgc atcagctact gcccgaagtg 300
agcttcatct tctgattgtg ggctttggag gaacgagaga actggctctt gggcactgtg 360
gaggggtaca gctttgccac tcaaataatac cttattgtgg gcattcaggg agccagggtc 420
cagagctgca gggctgc 437

<210> 657

<211> 383

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. W37778

<220>

<221> unsure

<222> (1)..(383)

<223> n = a or c or g or t

<400> 657

agaggttttt tattcggccg ggagcatcag cagactcgca tcttaagagc cgagctcccc 60

gaaaaagaaa ttcctagccc tttgaaggnt tgacaactct aaggggtcta cgtgaaagag 120
tcataataga tcaagtaagt gtgaggaatg tgactgtggg ctacctacat cagctaacag 180
tacaaaaagt tttacagtgc tttctcacac aatgtctgga atttacagat aacaccagta 240
ngtttttggtc aggggttaat attattatca ttctaaccac cagggccagg tgggtggcgcc 300
aagggtcgtct agctatattat ctttcttctg tttctttcca actttttgct ttctcccttt 360
tctcctgtct tataaactag gga 383

<210> 658

<211> 383

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. W42778

<400> 658

gaaaacaaaa atttattgct tctccttcca aagctttgtg aattttacaaa aaaaaggatg 60
aaagttttaca aactgcttag ttccaactaa gcataagagg tgagaacgta cactgcaggg 120
ccaccagcag cagctgtgca ctcgatcggt aaaactggct cccccagact tgtagtgtg 180
tcttcagggg gctgcattcc ttacacgcca cctcttgtga cataggtcat tgggtcaagcc 240
gctggaatgc tacagaggtt tttttgggtt tgagaggctt ttttttgttt tgccttccta 300
ctataaaagc gaaattttca gttcatttct gaaaaataaa ttgggtcaata aattcatttt 360
gttctgcttc tactttacac aaa 383

<210> 659

<211> 476

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. W44760

<400> 659

ttttttctgg taacagcatg ttttaatttat tattattgca aaagaacagt ttttctcatg 60
attagtgaag tagaaaactc acaatatact taagagtctg ccccaaacc attacaaagg 120
ggttgagaga agagagaagc agaaacaaa agagaaacag aagtaataat cagttatcac 180
atgatttttta tagtaaacaa tagaatatga tgtgcaatag tgcaattttc ctttgctagt 240
ccagcaatgc aagtaagtct taataggaag tccactgtgt tactttttgt atttcgggat 300
ttagttgctg gcttgccggg ggttcgagtt cctgccagac ttctgactct gagtggaaac 360
actattgcta gaatcacttt tactgagtcc aagatgacga agcttcatat cccagcgctt 420
aactttttta ccgagtcgat ccttcactt ctcagctata gagccttcca ccaaga 476

<210> 660

<211> 402

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. W45531

<400> 660

tttttttttt tttgaaattt gataaatggt tattgacttg ctgattcaaa aaaacagtgt 60
agctgagaag tctgatcagc tcagaaaaga gtggaatttg gcaacaaata tgttatccaa 120
caaaatctga gtaatttatc accttttaac atcttcaaca tatttataat ataaatattt 180
tttaaaaaac cgattattaa actaatactc ccctggaaga acaagaggac taattttcgg 240
tgacgacaga cttgtgctga tccatcatct ggaactccta aagacctgaa tggctgactg 300

ggattagtga ctactatctg gttttactgg ttttactcta ctaagcccat gattttgtgg 360
 ttttaaccaa ttaagaaaat tatccccaag cacaataaaa at 402

<210> 661
 <211> 534
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. W45664

<220>
 <221> unsure
 <222> (1) .. (534)
 <223> n = a or c or g or t

<400> 661
 ttttttccta aagtcattta ttttcttcga gaactctgga cattccataa ctgggtgtgt 60
 agtatgagta gaatgaattc agtgctagcc tcttgctgga gagggacaag tgcaggttta 120
 gaattacagc ttatgttaga aggttctctt ctcacgata ccttcatgtt agaagaaaga 180
 ggacagaggc agagctgatg gaatctcata aaataacagc taatgccgtg tgtcaggcac 240
 tatgcttaac aagtatctgt ttaacatgtg taaatgctct ttagctcttg cttttctata 300
 atataaaaca gtcttgggag tcctgttctt ccccttcctt tctctcgtgt cctttggact 360
 gtcttttngc agcctctggc ctttctcatt atctactaca gcttgctacc tgactcatca 420
 aaggcacatg ggtgttgcaa gagaggatgg gaaccgggtg gtttatacca ttaactggc 480
 cattataaca gggagctata aggtggaaaa ataggagncc aggaaataaa gccg 534

<210> 662
 <211> 444
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. W46395

<220>
 <221> unsure
 <222> (1) .. (444)
 <223> n = a or c or g or t

<400> 662
 ttttttgcac ttgcgccaca caggacagtg gagccccacc tggtcagttc cacttccggg 60
 ctcccatgca cttgcccaag ggcgcctctt tgggacgggg atggtttgag gaaacacttt 120
 taaagaaaaa aggaagacat tgaaaggttt tagtttcttc cctatctgca tgcctctca 180
 tatagaaagc ccagaattag gggctagaac tccaggagag ggtctccccg actcatctct 240
 tgctgacggt caccaggatg cagaaatagg gagatgggta gtggggggcca aagatgcccc 300
 ctcccaggcc ttcgtgggtc cctcctccgc cccctgcaat ctttgggagg agtcagtgcc 360
 tcaactccagc agtgagtgcc tactgtatgc aggtagtcag ccaggcaaag agagactaac 420
 ggtctcatgg gggaacctct tgan 444

<210> 663
 <211> 489
 <212> DNA
 <213> Homo sapiens

<220>

<223> Genbank Accession No. W49708

<400> 663

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tttttttcacc gcagagatgt ttttattgaa atgcatgtta tgagtaacac atgaactccc 60
tctggcccag gtgggacttc ttccctcata ggtgggtcag gcccagtggg acagtcttgg 120
tggtggtaag aagggagcca agtgacagaa ggtctccaag gcataggaga tgggtgtccgg 180
tgagtctggg gaaccgagga ttatgaagcc tgctggaagc cttggtatgg tatggttctt 240
ctcagctgtg gctgcagatt tctcttcatt ggctgcctcc tctgaaaaca gactcctctt 300
ttctgcaatt aatcttttaa ctctaccat ccactgactt gacctcagtc acatgggtcaa 360
ccatgagggg gcgggtggatg tcatctgctg cgtcccaccg gtggcttgaa aagctcttgc 420
accagtagag ccattctctt ctttacaggg tattgacaac tttcctccaa gccactgtt 480
ccttgcaag 489
```

<210> 664

<211> 678

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. W51743

<220>

<221> unsure

<222> (1)..(678)

<223> n = a or c or g or t

<400> 664

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cacaaaaaaaa aaatcactaa aaattcccac aaatcttggt tctggcactt tagaaaaact 60
gcaaaaaaaaa acgtaataaa gaatacatat atatatatct acacacaaat tatatatcta 120
tctatctata cagcggaacc acaagagaga ctgaggaagg cctggaggca ggggcagagg 180
tgacgacagt gccctatat ccttaaccca tactcctctg aggcaaacag gcatgggaaa 240
atggaagggg tgaggatgga ccggagaatt ggaacttcag aatagggtcaa aattccaaaa 300
ccatggacat ttttttttgg gagaattgag attgtagaca tttttttttt cttaaatatg 360
atcaaggaaa atagcttcca gaatgtggtg gttctgggca acaaatgaga ttgtggcgac 420
gtggagatta aaatatatgt atttgagctg gggaatttga atattgtgag tttcagatgt 480
tggaattttg ggatttttgc gttttgtctt ttgaaaatga tcaagtcttg tcagttcgtg 540
ccctctttcc ccatgttccc tgggaagacg ggtggtggca gagtgagaag gccactggtc 600
tgtgccgcac acgcaaaatt tagaatctcc agctagctct atcgtgtgag gnccagatta 660
gggaantgcc atattacc 678
```

<210> 665

<211> 453

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. W52065

<220>

<221> unsure

<222> (1)..(453)

<223> n = a or c or g or t

<400> 665

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tttttttttt ttttttcaga ggtcaaata cttttattct ttaaggattc agtgtaacat 60
ccttttcttt aataaaataa ttaaactctg gcagaaatta acttattcaa aaagtcatac 120
```



```

taatactttg ttatgacttt ttatagaaaa acaaacttta tttttttatt tttttgagat 180
ggagtcttgc tctgtcacct aggctggagc gcaatggcac gatctcagct cactgtagcc 240
tccacctccc aggttcaagc gattccccctg ccttagcctc ccgagtagct ggaattacag 300
gtgtgcgcta ccatgcctgg gctaattttt gtatttttag tagagatggg gtttcacat 360
gttgggaagg ctggtttcga actcctgacc tcaggtggat tcacccgcct tggcctccca 420
aagtggctgg gattataggc gtgacagcct gna 453

```

<210> 666
 <211> 466
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. W52638

<220>
 <221> unsure
 <222> (1)..(466)
 <223> n = a or c or g or t

```

<400> 666
ctcagtttgg gaccaaactg cttggatctt tgtaaaaacc cggttttgta tgtcaaggag 60
gagtttaagg cctttccgac caccttgtgt tccccctttc tgcgcacat gtatcacgtg 120
gagttgctcc ttaccacacc tcacgtgccc ctgagcccta tttcctgatt tcttctgggc 180
tggacttccc cgttctccac cagcagctcc agtatcccaa actttctagt cctgctgac 240
ctcccagcaa cggggtggaa actggagggc agtgtctggt ctgttttcta agaaacttat 300
gaattctatt atctttacaa atatgagaaa attttttcaa tattttttat taatcttttt 360
ataaaatgaa aagaaactcc tatgatcgat taaggaaggt gggtatggct ggggtggttca 420
ggggtttttt tgggtttent tttttttttt cnttgtcctt ttaacg 466

```

<210> 667
 <211> 511
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. W52858

```

<400> 667
cacggccaaa atccataaag attataaaag caaactaagt tgtgaagcta tagtacatgt 60
aggcatttag ttaagtatag caattcaaac tgacctgcat ccatacaaaa caaatcctc 120
cttcaacctt atttttactt gaaatttgct agaagaaata gcaaaccga aatttgtttt 180
atgcatgagt taataccact ggctcagcaa atacaagtta gtttgcttta agcaggtaac 240
tttttttgta atggaacgaa atgcactaca aagttaagac agatttttgc taagtgcagg 300
aggcccttta ttattgctgc agaaaacaaa agcctggctg agttgatgtt ttacattctc 360
ccttactgaa atctacatga catgatgctt cttgctgggt ttttgtacat ggtaaacatt 420
ggtcaagctg tgaaagaaaa tgggctggag gtgtgctttg gtgtggaaag ggtgagcaat 480
aaaggtatcc ggtaagtgc cccaaaaaaa a 511

```

<210> 668
 <211> 426
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. W56792

<400> 668
catcattttt tattgtaaga aaatacacag tttgaaagtg tgaataatgc aatatttatg 60
accaagaaat gggacttagg aaggggaagg aagataaaga aaaagatcaa gatgatctga 120
ttgagagaca gtgttgaact ccaaatactg aactggaaaa ggagggagggt ggggaggaac 180
aggaggagga agtaaaaaaa tttgatcaga gaaacagtta aaatacaata tgaaaataag 240
taatacctct ccttaaattc cttctataca caaaatacac gatttgccaa agcccaattt 300
gtgctactgg gattctgtga gctccttaag tgtattcaca tcctctgcaa cagcagaaaa 360
tgattatgat acaatcagaa tatgctgaag acaagttaaa ctcttgccag caggttcctt 420
aaaaat 426

<210> 669
<211> 426
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. W57931

<220>
<221> unsure
<222> (1) .. (426)
<223> n = a or c or g or t

<400> 669
tttttttttt tttttgggag gcaggagttg ctttttattg acttggaagt gggctcttca 60
gtgaagcccc tttggtnta agagcatttt cctgcttcct ttgttcttcc tgcaacttct 120
gctgcctgag ctgccatgct tgtaatccag cgtccatttc ctgtgacagc agtacaactc 180
gtcttgcaaa cgtctccctt tcagcttttc ttcgaagctg gcctttcatt gggggagcag 240
ggcggccatc cgattatgac cagtctggga gctcggtaag gggcccgtaa gccgganggg 300
ttggcagcca agtccttgct gtantcgcca ctggccgccc gcccaagcgg ttacnttgca 360
gtgcaccctt ccggacacct gtgaagagaa cagtccctaa agcagccatg tgagcagcct 420
cgtgcc 426

<210> 670
<211> 98
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. W60186

<400> 670
aacttacaaa caaaaataacc gtaataataa acccaaacaa agaccctcag cttgctgcca 60
cgttctctat gcggtttggc ggggcgggta ttacaag 98

<210> 671
<211> 597
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. W63793

<220>
<221> unsure
<222> (1) .. (597)

<223> n = a or c or g or t

<400> 671

```
ggaactgaga aaacagcaaa gttgactaaa ttttatatatt cttgtcctct aaatattttg 60
ataatttctg gattgatgca gtgatgtttt tggttccttcc gtatttataa atgaaacacc 120
tttttttagt gtttctaaac ctaaaatcta cttgggttga aatcaagtgg ttggaacact 180
gtttgacttt tatttgaagc atgttggtga ttgaaaattt cattgaggaa gttttcaatc 240
agtgtgatca gtttgattct gtaatgagca cagcacctaa tattttgagg agctctgttt 300
tgaggaccaa tgcttaaggt ggactttgtt cgtaaacaat atcccaatag atttgttgac 360
ttgagggtctg gtttggtttt gtttttgttt tggtttgttt tggtttgttt ccaatagaat 420
taagaattct aatgttgaaa aactgcacaa atttttatgg gacaaagcct agaaaagaga 480
aatgtagttt gaatcataac caaaaccacg gatgatagaa gagggaaagt ttggggccat 540
aatttctcct tcaactggtgt tgacctaaac cgttggaaag gaattccggn cccaatt 597
```

<210> 672

<211> 447

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. W67225

<400> 672

```
ttttgtgttc caataaaatt ttattaacaa aatatgacag tggggggggcc acagtttgcc 60
aaactttgcc ttggaggaca tgcagaggca ccctcagaat tcagtgaaaa cctgctccca 120
tattgctaag actcatgaag tataatctct catcttcttt ctctttcccc tgcccaagcc 180
ctaagttagg gttcccatcc atataacaaa gacttctggt caggtggcat ttgctatctc 240
tgagattccc tgcccatgaa agccacaaaag agatttcttc ttttacacac cctgaagcat 300
attatggccc cagcaaggct aactaaatca aactgtggtt taaaaacaaa acaaaccaac 360
cactgtgaaa tatttatatt tgttttgtag tattaagcat gattaaacca gtgcagaaaa 420
atactaagta cattgggtaa aagatga 447
```

<210> 673

<211> 411

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. W67577

<220>

<221> unsure

<222> (1) .. (411)

<223> n = a or c or g or t

<400> 673

```
ctaattacta ccttttatct taatgtgaac catgggccct ggaaagctga taacaagctt 60
ggctgagcag agggaaactag gggtcaggca gaaaggatta tgggntggaa aacattggct 120
cttccttggg nagtggatgc tngggaaagg ggaagagagt ggctcancct ggcaggtaaa 180
taggctagaa aagccaaggc caaanctggn gaggggagag gacagtcagc atgtccagcc 240
tggggtctgg gtgtaagggt tatcccttct ccctggtgcc ttcccatctc gtccatgagc 300
ctaaggtctt gggagccttg tggtgggagg ctgctgtgat gtcagggaac ggggatctgt 360
ctagcttttg gccacttcct ggggacctca caccctgtt tganaaattg g 411
```

<210> 674

<211> 473

<212> DNA
<213> Homo sapiens

<220>

<223> Genbank Accession No. W69302

<400> 674

```
gctttcgggtg gttccttggt gactgggaat tgcttggtg catgtgttg gtgcatgctt 60
ccgggtctca gctgccccag gcccgcacag gcaacccctt cccatccaaa gccattgggtg 120
gagcttctct ggaatcattt gccaaaagcc caaggcagaa tccaagggtc caagaccatt 180
tccatggagc tcatgttttt cttttctgta ggaacttttt tttaaccagc acccaccata 240
attccgaagc cacgtttcat ctttcctgga tcactacagt gaagtattac acgttgtaca 300
cgttcccagt ctggccttg cttgctcgga taaaactttg tatgtatttt gtatggcata 360
gattctatat tgtaatgatg tcctatgcaa aaagagaaat taacgaaatt gtaaatttta 420
ttgttttaac gtgtatgcat gtttagtgac gtttacattt tgaaataaaa ttt 473
```

<210> 675

<211> 128

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. W70131

<400> 675

```
gttttttgac ttcatttatt atataaggaa cctaactcaa attggcttaa gcaattaata 60
aatgtttatt gttacattgt tgtaatgtgg ctggaaatcc agaagtcata caaatctgtc 120
aggattgg 128
```

<210> 676

<211> 428

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. W70167

<220>

<221> unsure

<222> (1) .. (428)

<223> n = a or c or g or t

<400> 676

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cagttctgtc ccttcgagaa aaacgtggaa tcgacgagga ccttcctgca gacggtgagc 60
agtgagaagg tccgctccac taatctcaac tgctcagtga ttgcggacgt gaggcatgac 120
ggctccgagc cctgcgtcgg acgtgctgtt cggagacggg catcgctcga ttatgcgcgg 180
cgtcatctca ccgctctgga aatgctcacc gccttcgcct cccacatccg ggccagggac 240
gcggcgggca gcgggggacaa gccgggcgct gatactggtc gctgacagcg ccaaagagac 300
caacaagatg attttagcgt ggactaggac acttaaccta agaagagttt cacttaatca 360
ttcaaatac tatctgaagg gtcacggagc gcaaaataaa gtttaaaacc ctgctaccaa 420
aaaaaaan 428
```

<210> 677

<211> 359

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. W73038

<400> 677

```
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gcagatgcaa atgtgggggtg ctgagagtgg caacacaggc caccceaaac caacttcact 120
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<210> 678

<211> 620

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. W73790

<220>

<221> unsure

<222> (1) .. (620)

<223> n = a or c or g or t

<400> 678

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nttctccagg gtccaggncc 620
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<210> 679

<211> 697

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. W73859

<220>

<221> unsure

<222> (1) .. (697)

<223> n = a or c or g or t

<400> 679

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gactttgaca gtcacattta taaagtaatt cacttaaaga tatatatattt tccaacaagt 600
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tccttggggg gtaattantt gatgcgcggt aangcgg 697

<210> 680

<211> 676

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. W74533

<220>

<221> unsure

<222> (1)..(676)

<223> n = a or c or g or t

<400> 680

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tgtaccacgc atgcct 676

<210> 681

<211> 496

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. W76181

<220>

<221> unsure

<222> (1)..(487)

<223> n = a or c or g or t

<400> 681

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tattctggtc tcaaaa 496

<210> 682
<211> 315
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. W78127

<400> 682
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tactttttaca tctaaaatgt cacttgtcat aaaggagggt gtaatagaaa ttgtctttaa 240
taaatacataa ttgaagttcc cctcattttt cttccattaa gatgctaagt ttatgtctga 300
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<210> 683
<211> 418
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. W86513

<220>
<221> unsure
<222> (1)..(418)
<223> n = a or c or g or t

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caagcatcat agtatgacaa agagagtaac aagagctgtg caggccagca catccagaga 360
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<210> 684
<211> 265
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. W88568

<400> 684
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<210> 685
<211> 395
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. W92207

<220>
<221> unsure
<222> (1)..(395)
<223> n = a or c or g or t

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<210> 686
<211> 241
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. W92449

<400> 686
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g 241

<210> 687
<211> 355
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. W94333

<400> 687
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<210> 688
<211> 1761
<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. X00351

<400> 688

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<210> 689

<211> 3768

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. X00371

<400> 689

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<210> 690

<211> 803

<212> DNA
<213> Homo sapiens

<220>

<223> Genbank Accession No. X02544

<400> 690

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<210> 691

<211> 14646

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. X03100

<220>

<221> unsure

<222> (1) .. (14646)

<223> n = a or c or g or t

<400> 691

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<213> Homo sapiens

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<223> Genbank Accession No. X07109

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<213> Homo sapiens

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<211> 3464

<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. X57348

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<211> 915

<212> DNA

<213> Homo sapiens

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<211> 1195

<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. X59766

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<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. X62320

<400> 712

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<211> 4148

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. Y08614

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<211> 1890

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. Y12711

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cccgccgagc	tgcggcgctt	cgacggcgctc	caggaccgcg	gcatactcat	ggccatcaac	360
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<210> 732

<211> 2038

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. Z11793

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<211> 260
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. Z38266

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gcagagcaat tcaccagcac catcatcaag tgagctacaa atctatcttt taccagagca 180
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<210> 734
<211> 270
<212> DNA
<213> Homo sapiens

<220>
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<220>
<221> unsure
<222> (1) .. (270)
<223> n = a or c or g or t

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caacacacag tcatgctgga aggcattctg tcttactctg ttggtttcat gtaaattgttt 180
ggggtgactc attccgcctc ttctnttctc aagttccagg cttcttgggt agaccaaacc 240
taatacacaa tgtttagagca cacaagagac 270

<210> 735
<211> 287
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. Z38785

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acagcacatc tgtacaccct catggtgccc tgaccacaca gcagcca 287

<210> 736
<211> 323
<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. Z39904

<220>

<221> unsure

<222> (1)..(323)

<223> n = a or c or g or t

<400> 736

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tacaattact ttacataaat ngaaatccac gtctttatta gtaatgtgcc acacatctta 240
gagtaaaaat ttacataaga taggcttata aatatacata aatctcaaaa ttaatcacia 300
acattaggta cacaattggt ata 323
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<210> 737

<211> 326

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. Z39983

<400> 737

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cattcaagct cccttgatga caacgcccac aacaggggtct ggctgatgct ccgttctgcc 300
acgactcctg ctgggtgatc gtggga 326
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<210> 738

<211> 254

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. Z40186

<220>

<221> unsure

<222> (1)..(254)

<223> n = a or c or g or t

<400> 738

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tgatttacat tgatttacac atgattggng cctaatttat taatcagcac gcagcatgta 180
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cgctggtgta aatg 254
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<210> 739

<211> 346

<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. Z40556

<220>
<221> unsure
<222> (1) .. (346)
<223> n = a or c or g or t

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ctggaacca gactctgtct ccccttgag gtcacagatg ttgaagttgg aatctcgctc 180
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<210> 740
<211> 292
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. Z40715

<400> 740
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gggcatgcca ttgccatggc aaccagatg cttagatgca ggtccctcct ggctgcttag 180
agctgggggg actaggcgcc ctccccgaaa gccccattc tgagttgttg gtgcctgccc 240
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<210> 741
<211> 270
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. Z40898

<400> 741
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tgctacacgg gttatgcttg gactctgact cccagcagca ggtagattca ggaattcatg 180
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aagagagcac ccagtgttgg gctgaaaaca 270

<210> 742
<211> 333
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. Z41642

<220>
 <221> unsure
 <222> (1)..(333)
 <223> n = a or c or g or t

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 ggatgagatg tactctgccca ctgttctctc tgggcacttt cagatgatgg ggtctgagat 180
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